# 5,000 g, tension & compression FORCE GAUGE

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# Model : FG-5005

ISO-9001, CE, IEC1010



# **FEATURES**

- \* 5,000 g, g/oz/Newton.
- \* Tension or Compression, Peak hold, Zero.
- \* Positive/ Reverse display.
- \* 5 digits LCD with back light.
- \* RS-232 computer interface.
- \* Full line accessories, optional test stand.
- \* DC 1.5V battery (UM-3, AA) x 6 or DC 9V adapter in.





**LUTRON ELECTRONIC** 

5,000 g x 1 g, g/oz/Newton, RS232

# FORCE GAUGE Model : FG-5005

#### **FEATURES**

<u></u>	
* Large LCE	D display with back light.
* 5,000 g, v	wide capacity, high resolution, high accuracy,
high repe	atability.
* 3 kind dis	play unit : g, oz, Newton.
* Tension 8	compression capability.
* Peak hold	I ( Max. load ) can be held in display during
make ten	sion or compression measurement.
* Zero butt	on can operate both for normal measuring
& the " pe	eak hold " operation.
* Full capac	city zero (tare) control capability.
* Fast/Slow	response time push button.
* Positive o	r reverse display direction select.
* Full line a	ccessories ( adapters ) are included.
* Hand held	d & stand mounted gauges are available.
* Low powe	er consumption gives long battery life.
* Build in lo	ow battery indicator.
* Microproc	essor circuit & exclusive load cell transducer.
* Over load	protection.
* RS-232 co	omputer interface.
* Built-in D	C 9V power adapter input socket.
* Profession	nal test stand ( optional ).
SPECIFICA	TIONS
Display	LCD ( Liquid crystal display ).
	5 digits, 16 mm ( 0.63" ) digit size.
	Back light.

<ul> <li>* Professional</li> </ul>	test stand (optional).	Humidity	
		Dimension	215 x 9
SPECIFICAT	IONS	Weight	650 g (
Display	LCD ( Liquid crystal display ). 5 digits, 16 mm ( 0.63" ) digit size. Back light.	Mounting Holes	Main in: provide mountir
Display Direction	Positive or Reverse direction, select by the push button on the front panel.	Accessories Included	Operati Flat-hea
Function	Tension & Compression (Push & Pull). Normal force, Peak hold (Max. load).		Hook a Cone he
Peak hold	Will freeze the display value of the Peak load ( Max. load ).		Chisel h 120 mn
Zero	Zero button can be operated both for "normal force" or "peak hold" operation	Optional	Carrying * Test s
Unit select	g/oz/Newton	Accessories	* Wedg
Measure Capacity	5,000 g/176.40 oz/49.03 Newton.		* RS232 * USB c
Resolution	1 g/0.05 oz/0.01 Newton.		* Softw
Min. Display	3 g/0.10 oz/0.03 Newton.		recor
Accuracy	$\pm$ ( 0.4 % + 1 digit ), within 23 $\pm$ 5°C.		Mode
	* Under the test weight on 3000 g & 5000 g.		

Approx. 0.2 second. Update time Fast Slow Approx. 0.6 second. Display show " - - - - " when in over Over range Indicator range status. Data output RS-232 serial computer interface. Overload Max. 7 kg. Capacity Full Scale Approx. 0.2 mm max. Deflection Zero/tare Max. full capacity. Control Circuit Exclusive microprocessor LSI-circuit. Power Supply 6 x 1.5 V AA (UM-3) size battery or DC 9V adapter (not included) Power Approx. DC 28 mA Consumption Transducer Exclusive load cell.  $0^{\circ}$ C to  $50^{\circ}$ C (  $32^{\circ}$ F to  $122^{\circ}$ F ). Operating Temperature Operating Less than 80% RH. . . . . . . 90 x 45 mm ( 8.5 x 3.5 x 1.8 inch ). (1.43 LB)/with batteries. nstrument with mounting holes are ed on the back case, easy stand ing. ing manual .....1 PC. ad adapter.....1 PC. adapter .....1 PC. nead adapter .....1 PC. head adapter ..... 1 PC. m extension rod.....1 PC. ng case .....1 PC. stand, Model : FS-1001 ge grip, Model : WG-01 32 cable, Model : UPCB-01 cable, Model : USB-01 ware for data logging & data rder. el : SW-U801-WIN.

\* Appearance and specifications listed in this brochure are subject to change without notice.

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# 20 Kg, tension & compression **FORCE GAUGE**

# **Model : FG-5020**

*ISO-9001, CE, IEC1010* 



# **FEATURES**

- \* 20 Kg, Kg/LB/Newton.
- \* Tension or Compression, Peak hold, Zero.
- \* Positive/ Reverse display.
- \* 5 digits LCD with back light.
- \* RS-232 computer interface.
- \* Full line accessories, optional test stand.
- \* DC 1.5V battery (UM-3, AA) x 6 or DC 9V adapter in.





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20 Kg x 0.01 Kg, Kg/LB/Newton, RS232 FORCE GAUGE

### Model : FG-5020

#### FEATURES

* Large LCD display with back light.
* 20 Kg, wide capacity, high resolution, high accuracy,
high repeatability.
* 3 kind display unit : g, oz, Newton.
* Tension & compression capability .
* Peak hold (Max. load) can be held in display during
make tension or compression measurement.
* Zero button can operate both for normal measuring
& the " peak hold " operation.
* Full capacity zero (tare) control capability.
* Fast/Slow response time push button.
* Positive or reverse display direction select.
* Full line accessories ( adapters ) are included.
* Hand held & stand mounted gauges are available.
* Low power consumption gives long battery life.
* Build in low battery indicator.
* Microprocessor circuit & exclusive load cell transducer.
* Over load protection.
* RS-232 computer interface.
* Built-in DC 9V power adapter input socket.
* Professional test stand ( optional ).
SPECIFICATIONS

Display	LCD ( Liquid crystal display ).
	5 digits, 16 mm ( 0.63" ) digit size.
	Back light.
Display	Positive or Reverse direction, select by
Direction	the push button on the front panel.
Function	Tension & Compression (Push & Pull).
	Normal force, Peak hold (Max. load).
Peak hold	Will freeze the display value of the
	Peak load ( Max. load ).
Zero	Zero button can be operated both for
	"normal force" or "peak hold" operation
Unit select	g/oz/Newton
Measure	20.00 Kg/44.10 LB/196.10 Newton.
Capacity	
Resolution	0.01 Kg/0.01 LB/0.05Newton.
Min. Display	0.02 Kg/0.07 LB/0.3 Newton,
Accuracy	$\pm$ (0.5 % + 2 digits), within 23 $\pm$ 5°C.
	* Under the test weight on 10 Kg & 20 Kg.

Update time	Fast Approx. 0.2 second.		
	Slow Approx. 0.6 second.		
Over range	Display show " " when in over		
Indicator	range status.		
Data output	RS-232 serial computer interface.		
Overload	Max. 30 kg.		
Capacity			
Full Scale	Approx. 0.4 mm max.		
Deflection			
Zero/tare	Max. full capacity.		
Control			
Circuit	Exclusive microprocessor LSI-circuit.		
Power Supply	6 x 1.5 V AA (UM-3) size battery		
	or DC 9V adapter (not included).		
Power	Approx. DC 28 mA		
Consumption			
Transducer	Exclusive load cell.		
Operating	$0^\circ$ C to $50^\circ$ C ( $32^\circ$ F to $122^\circ$ F ).		
Temperature			
Operating	Less than 80% RH.		
Humidity			
Dimension	215 x 90 x 45 mm ( 8.5 x 3.5 x 1.8 inch ).		
Weight	650 g (1.43 LB)/with batteries.		
Mounting	Main instrument with mounting holes are		
Holes	provided on the back case, easy stand		
	mounting.		
Accessories	Operating manual1 PC.		
Included	Flat-head adapter1 PC.		
	Hook adapter1 PC.		
	Cone head adapter1 PC.		
	Chisel head adapter 1 PC.		
	120 mm extension rod1 PC.		
	Carrying case1 PC.		
Optional	* Test stand, Model : FS-1001		
Accessories	* Wedge grip, Model : WG-01		
ACCESSONES	* RS232 cable, Model : UPCB-01		
	* USB cable, Model : USB-01		
	* Software for data logging & data		
	recorder.		
	Model : SW-U801-WIN.		

Appearance and specifications listed in this brochure are subject to change without notice.

0601-FG5020

# FORCE GAUGEModel : FS-1001ISO-9001, CE, IEC1010



### **FEATURES**

- \* Optional; test stand, be connected with FG-5000A, FG-20KG, FG-5000A-232, FG-20KG-232, whole system will be a useful tool for material's tension and compression analysis.
- \* Size : 650 x 250 x 230 mm.





# 100 Kg, tension & compression **FORCE GAUGE**

# **Model : FG-5100**

*ISO-9001, CE, IEC1010* 



- \* 100 Kg, Kg/LB/Newton.
- \* Tension or Compression,
- \* Positive/ Reverse display.
- \* 5 digits LCD with back light.
- \* RS-232 computer interface.
- \* Optional accessories : USB cable, RS232 cable, Software for data logging
- \* DC 1.5V battery (UM-3, AA) x 6 or DC 9V adapter in.





### 100 Kg x 0.05 Kg, Kg/LB/Newton, RS232 **FORCE GAUGE** Model : FG-5100

#### **FEATURES**

Peak hold

Unit select

Measure

Capacity Resolution

Accuracy

Min. Display

Data output

Zero

FEATURES		
* Large LCD di	isplay with back light.	Update time
* Tension & co	ompression capability .	
* 100 Kg, wide	e capacity, high resolution, high accuracy,	Over range
high repeata	bility.	Indicator
* 3 kind displa	y unit, Kg/LB/Newton.	Overload
* Seperate ser	ISOr.	Capacity
* Peak hold ( I	Max. load ) can be held in display during	Full Scale
make tensior	n or compression measurement.	Deflection
* Zero button	can operate both for normal measuring	Zero/tare
& the " peak	hold " operation.	Control
* Full capacity	zero (tare) control capability.	Circuit
* Fast/Slow re	sponse time push button.	Sensor type
* Positive or re	everse display direction select.	Power Supply
* Over load pr	otection.	
* Hand held &	stand mounting available.	Power
* Low power c	onsumption gives long battery life.	Consumption
* Build in low l	battery indicator.	Operating
* Microprocess	sor circuit & exclusive load cell transducer.	Temperature
* RS-232 com	outer interface.	Operating
* Power supply	y built-in DC 9V adapter input socket.	Humidity
		Dimension
SPECIFICATI	ONS	
Display	LCD ( Liquid crystal display ).	
	5 digits, 16 mm ( 0.63" ) digit size.	
	Back light.	
Display	Positive or Reverse direction, select by	Weight
Direction	the push button on the front panel.	
Function	Tension & Compression (Push & Pull).	
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splay with back light.	Update time	Fast Approx. 0.2 second.
mpression capability .		Slow Approx. 0.6 second.
e capacity, high resolution, high accuracy,	Over range	Display show " " when in over
bility.	Indicator	range status.
y unit, Kg/LB/Newton.	Overload	Max. 150 kg.
sor.	Capacity	
Nax. load ) can be held in display during	Full Scale	Less than 1 mm.
or compression measurement.	Deflection	
can operate both for normal measuring	Zero/tare	Max. full capacity.
hold " operation.	Control	
zero (tare) control capability.	Circuit	Exclusive microprocessor LSI-circuit.
sponse time push button.	Sensor type	S type load cell.
verse display direction select.	Power Supply	6 x 1.5 V AA (UM-3) size battery
ptection.		or DC 9V adapter (not included).
stand mounting available.	Power	Approx. DC 28 mA
onsumption gives long battery life.	Consumption	
pattery indicator.	Operating	0℃ to 50℃ ( 32°F to 122°F ).
or circuit & exclusive load cell transducer.	Temperature	
puter interface .	Operating	Less than 80% RH.
built-in DC 9V adapter input socket.	Humidity	
	Dimension	Main instrument :
	]	215 x 90 x 45 mm ( 8.5 x 3.5 x 1.8 inch ).
ONS		Sensors with two hooks :
LCD ( Liquid crystal display ).	]	130 x 51 x 18 mm ( 4.7 x 2.0 x 0.7 inch ).
5 digits, 16 mm ( 0.63" ) digit size.		Cable length :
Back light.		2 meters.
Positive or Reverse direction, select by	Weight	Main instrument :
the push button on the front panel.	lisight	450 g ( 0.99 LB ).
Tension & Compression (Push & Pull).		Sensors :
Normal force, Peak hold ( Max. load ).		380 g ( 0.84 LB ).
Will freeze the display value of the	Mounting	Main instrument with mounting holes are
Peak load ( Max. load ).	Holes	provided on the back case, easy stand
Zero button can be operated both for		mounting.
"normal force" or "peak hold" operation	Accessories	Operating manual1 PC.
Kg/LB/Newton	Included	100 Kg sensor with 2 hooks and
100 Kg/220 LB/980 Newton.		2 meter cable
		Hard carrying case1 PC.
0.05 Kg/0.05 LB/0.2 Newton.	Optional	* RS232 cable, Model : UPCB-01
0.15 Kg/0.35 LB/1.4 Newton.	Accessories	* USB cable, Model : USB-01
$\pm$ (0.5 % + 2 digits), within 23± 5°C.	100000000	* Software for data logging & data
* Under the test weight on 100 Kg & 10 Kg.	4	recorder,
RS-232 serial computer interface. ecifications listed in this brochure are subject to change witho		Model : SW-U801-WIN. 0601-FG5100

RS-232 serial computer interface. \* Appearance and specifications listed in this brochure are subject to change without notice. *SD Card real time data recorder, Patent Fast recorder, min. 20 ms sampling time* 

# FORCE GAUGE5,000 g

### Model : FG-6005SD

*ISO-9001, CE, IEC1010* 







Test stand, optional FS-1001





5,000 g SD Card real time recorder 10 ms sampling time recorder

# **FORCE GAUGE**

Model : FG-6005SD

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Data record mode:         Set sampling time from 1 second to 8 hours.         Feak hold record mode:         Sampling time and the second may bess second by the	FEATURES				
<ul> <li>Vermain record mode:</li> <li>Sets ampling time from 1 second to 8 hours.</li> <li>Peak hold record mode:</li> <li>Sampling Time Minual Second 10 8 hours.</li> <li>Memory capacity of park hold record mode:</li> <li>Memory capacity ho</li></ul>		mode : Normal model or Peak hold mode.	Normal data	Auto	1 sec to 8 hour 59 min. 59 sec.
Set sampling time from 1 second to 8 hours.       Isager       Let memory data may bess.         Set sampling time from 10 ms to 500 ms.       Set sampling time from 10 ms to 500 ms.       Set sampling time from 10 ms to 500 ms.         Memory capacity of peak hold record mode. If CB to 16 CB.       Memory capacity of peak hold record mode. If CB to 16 CB.       Set sampling time from 10 ms to 500 ms.         Vinder Normal (mas). If the secure the " Data record " function, will save the measuring data along the real time value (VerAMonth/ Deth-HourMinute/Second ) that the SD card per normal sampling time (1 second 10 to 8 hours).       Sampling Time * The memory card. If CB to 16 CB.         Vinder Normal sampling time (1 second 10 to 8 hours).       Sampling Time * The memory card. If CB to 16 CB.         Advanced       So memory card. If CB to 16 CB.         Advanced       So memory card. If CB to 16 CB.         Solo g. wide capacity, high resolution, high accuracy, high rependationity.       So and setting range.         Solo g. wide capacity, high resolution, high accuracy, high rependationity.       So and setting * Solo seting * Solo setting * Solo setting * Solo *					
<ul> <li>Peak India record mode :</li></ul>					, .
Set sampling time from 10 ms to 500 ms.         Indemory capacity of presh hold record mode 1: 168 to 16 GB.           * Under Peak hold record mode, if execute the " bata record" function, the memory circuit will store to 000 data no. (max.)         For the set to 500 ms.           * Under Peak hold record mode, if execute the " bata record" function, the memory circuit will store to 000 data no. (max.)         For the set to 000 data no. (max.)           * Under Normal record " motion, the memory circuit will store to 000 data no. (max.)         For the memory circuit will store to 000 data no. (max.)           * Under Normal record mode, if execute the " bata record " function, will store to 000 data no. (max.)         For the memory circuit will store to 000 data no. (max.)           * Under Normal record " motion base to many circuit will store to 000 data no. (max.)         For memory circuit will store to 000 data no. (max.)           * The disk of the function data and preshold data max.         For memory circuit will store to 000 data no.           * The disk of the function data and preshold data max.         For memory circuit will store to 000 data no.           * Conduct and the lass of the function data and preshold data max.         For memory circuit will store to 000 data no.           * Solo or will capacity capacity high recolution high accuracy, high repeatability.         * Solo or will capacity capacity high recolution high accuracy, high repeatability.           * The lens hold data memory data data for ont max measuring data data measuring da			Sampling Time		
<ul> <li>Memory capacity of normal record mode: 1 GB to 16 GB.</li> <li>Memory capacity of posk hold record mode; if execute the " Data record" function, the memory circuit will store 1000 data no. (max.) measuring data into the SD card per fast speed sampling time (1 orms to 500 ms.).</li> <li>Poder Normal Areadom (1 execute the " Data record" function, will save the measuring data lang the real time value ('VerAlMonth' Date/HourAlMonther).</li> <li>Part Normal Areadom (1 execute the " Data record" function, will save the measuring data lang the real time value ('VerAlMonth' Date/HourAlMonther).</li> <li>A fler save the data into the SD energy card. It can be memory card. It can be memory card. It can be memory card. It can be not be set an into the SD card per normal sampling time (1 second us a factor second mode) function.</li> <li>A fler save the data into the SD energy card. It can be not be set an into the SD card per normal sampling time (1 second us a factor second mode).</li> <li>A fler save the data into the SD energy card. It can be not be set an into the SD card per normal sampling time (1 second us a factor second mode).</li> <li>I carge LCD display with beak light.</li> <li>Peak hold (Nax: load) can be held in diplay during make tension compression canapatity.</li> <li>Peak hold (Nax: load) can be held in diplay during make tension compression canapatity.</li> <li>Peak hold (Nax: load) can be held in diplay during make tension compression canapatity.</li> <li>Peak hold (Nax: load) can be held in diplay during make tension compression measurement.</li> <li>Peak hold (Nax: load) can be held in diplay during make tension consol (Nator Second Second</li></ul>					88
* Memory capacity of peak hold record mode : 1000 data no. (max.) measuring data into the SD card per fast speed sampling time (1 one to 500 ms.) * Under Normal record mode, if execute the " Data record " luncing, the sector the " Data record * Large Normal record mode, if execute the " Data record " luncing, the sector the " Data record * Execute the sector the " Data record * Execute the sector the " Data record * There money card. If data along the real time value ( Year/Month/ Data/Hour/Muta/Second ) into the SD card per remains sampling time (1 sector # There money card. If data along the real reach the sector the SD memory card. If can be data error no. 0 1% of table saved data max. How request the data into the SD memory card. If can be data error no. 0 1% of table saved data max. How request the data into the SD memory card. If can be data error no. 0 1% of table saved data max. How request the data into the SD memory card. If can be data error no. 0 1% of table saved data max. How request the data into the SD memory card. If can be data error no. 0 1% of table saved data max. How request the data into the SD memory card. If Can a the save the data into the SD memory card. If Can data error no. 0 1% of table saved data max. How request the data into the SD memory card. If Can data error no. 0 1% of table saved data max. How request the data into the SD memory card. If Can data error no. 0 1% of table saved data max. How request the data into the SD memory card. If Can data error no. 1 second the save data error no. 1 second the saved data error mode. 1 second the saved data					
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<ul> <li>Under Peak hold record mode, if execute the " Data record " function, will build b</li></ul>					
record "function, the memory circuit will store 1000       data no. (max.) measuring data into the SD card per fast speed sampling time (10 ms to 500 ms).       'I Under Normal record mode, if execute the "Data record "function, will save the measuring data along the real time value (Ver/AmMoht/D atter) four/Minute/Second) into the SD card per normal sampling time (1 second to 0 fhours).       * After save the data into the SD memory card, it can be down load the data to the Excel directly, varia software is no need. User can make the further data analysis ( graphic analysis ) by themselves.       * Aire save the data into the SD memory card, it can be down load the data to the Excel directly, varia is no need. User can make the further data analysis ( graphic analysis ) by themselves.       * Large LDD display with sak, light.       * Jeak hold "operation.       * Beak hold "operation.       * Tension & compression capability.       * Tension & compression measurement.       * Just graphic analysis ( graphic analy					
data no. (max.) measuring data into the SD card per fast speed sampling time (1) more to SD ones to SD memory card <i>Cust Well Second</i> 1 function, will save the measuring data along the real time value (Yaar/Month/ Date/Hour/Minute/Second) in the SD and per normal sampling time (1) second to B hours).               Had a not the SD memory card i Ran Decomposition (1) Second to B hours).             So memory card a per normal sampling time (1) second to B hours).             Ather save the data into the SD memory card, it can be down load the data to the Excel directly, extra software is no need. User can make the further data analysis ( graphic analysis) by themselves.             Funds (Max. Ioad) can be held in display during make tension or compression negability.             * 2 and LOD display with back full of capability.             * addition or compression regability.             * Funds (Max. Ioad) can be held in display during make tension or compression capability.             * Funds (Max. Ioad) can be held in display during make tension ecompression capability.             * Fund in accord incel capability.             * Farshow Card Somptime incervate display direction select.             * full incaced case incel data incord mode)             * full incaced case incel data incord mode)             * fund capacity zero (tarc) control capability.             * Farshow Card Somptime incervate display direction select.             * full incaced case incel data incord mode)             * function.             * function contrastic and particle incel data incord mode)             * function formal data incore mode)             * function formal data incord mode			Peak hold	10 mS to	
fast speed sampling time (10 ms to 500 ms).       mode       * Auto atta isoggir         inverse Vulner Second (* function, will save the measuring data along the real time value (Vera/Month/Date/Hour/Minute/Second) into the SD card per normal sampling time (1 second to 8 hours).       into the SD card per normal sampling time (1 second to 8 hours).         * Atter save the data into the SD memory card, it can be down load the data to the Exceed line(Cly early card, it can be data to the Exceed line(Cly early card, it can be for a make the further data analysis (1 graphic analysis) by themselves.       * So memory card, it CB to 16 GB.         * Atter save the data into the SD memory card, it can be for a make the further data analysis (1 graphic analysis) by themselves.       * So temps format second mode)         * Soloog, wide capacity, high resolution, high accuracy, high repeatability.       * Solor synde capacity, high resolution, high accuracy, the peat hold (Max. Ioad) can be held in display during make tension or compression measurement.       Capacity         * Farshout Comportation & compression frequest interface       Control       Faulto acid a sole of second (Max. Teg.)         * Full capacity care (targ) control capability.       Control       Faulto acid a sole of second (Max. Teg.)         * Full capacity care (targ) control capability.       Control       Faulto acid a sole of second (Max. Teg.)         * Full capacity care (targ) control capability.       Control       Faulto acid (Max. Cad) (Max. Teg.)         * Build in to DV acid (targ) control capability.       Faulto acid (Max. Cad) (C			data record	* Each	setting step is 10 mS.
			mode		
<ul> <li>* function, will save the measuring data along the real time value (Vera/Month/Date/Hour/Minute/Second) that here SD card per normal sampling time (1 second to 3 hours).</li> <li>* After save the data into the SD memory card, I Can be data arout, no. 01% of total saved data max. Memory Card. I GB to 16 GB.</li> <li>* After save the data to the Exceed directly, vers software is no need. User can make the further data analysis (graphic analysis) by themselves.</li> <li>* Large LDD display with back light.</li> <li>* Large LDD display with back light.</li> <li>* Solod g, wide capacity, high resolution, high accuracy, high repeatability.</li> <li>* Solod g, wide capacity aro, targe to the software is a software is a</li></ul>			Sampling Time	* The n	nemory circuit will store 1000
Into the SD card per normal sampling time (1 second to 8 hours).       Memory Card 1 GB units       SD memory card 1 GB (GB.         * After save the data into the SD memory card, it can be down load the data to the Score directly, exits asoftware is no need. User can make the further data analysis ( graphic analysis) by themselves.       * SD memory card 1 GB (GB.         * Large LCD display with back light.       * So memory card 1 GB (GB.         * Large LCD display with back light.       * So memory card 1 GB (GB.         * So memory card 1 GB (GB.       * So memory card 1 GB (GB.         * Large LCD display with back light.       * So memory card 1 GB (GB.         * So memory card 1 GB (GB.       * So memory card 1 GB (GB.         * Large LCD display with back light.       * So memory card 1 GB (GB.         * Tersion & compression capability.       * So memory card 1 GB (GB.         * Rei * Deak hold ' operation * fault expacity zero (fare) control capability.       * So memory card 1 GB (GB.         * For So memory card (fare).       * So memory card (fare).       * So memory card (fare).         * For So memory card (fare).       * So memory card (fare).       * So memory card (fare).         * To Control capability.       * So memory card (fare).       * So memory card (fare).         * For So memory card (fare).       * So memory card (fare).       * So memory card (fare).         * For So memory card (fare).       * So memory card (fare)	" function, wi	ill save the measuring data along the real			
10 8 Dours ).       Advanced       * S0 memory card Format         Advanced       * Set concil: the CYaar/Monit/Date.         Hor save the data into the SD memory card, it can be       setting       * So memory card Format         is no need. User can make the further data analysis (       * So memory card Format         * Large LCD datapy with back light.       * So memory card Format         * So dog wide capacity, high resolution, high accuracy, high repeatability.       * So monory card Format         * So formation & compression capability.       * So memory card Format         * Terrsion & compression capability.       * So memory card Format         * Terrsion & compression capability.       * So tooks micropression capability.         * Terrsion & compression measurement.       So weread format         * Full capacity zero (taric) control capability.       Full capacity zero (taric) control capability.         * Full capacity zero (taric) control capability.       Transducer         * Full capacity zero (taric) control capability.       Transducer         * Build in too but betry indicator.       * So tooks the data and LCD         * Build in too but park high (tas kold).       * So to So (132* to 122* f).         * Drei bad protection.       * Dore had apper	time value (	Year/Month/ Date/Hour/Minute/Second )	Data error no.	0.1% of	total saved data max.
10 8 Dours ).       Advanced       * S0 memory card Format         Advanced       * Set concil: the CYaar/Monit/Date.         Hor save the data into the SD memory card, it can be       setting       * So memory card Format         is no need. User can make the further data analysis (       * So memory card Format         * Large LCD datapy with back light.       * So memory card Format         * So dog wide capacity, high resolution, high accuracy, high repeatability.       * So monory card Format         * So formation & compression capability.       * So memory card Format         * Terrsion & compression capability.       * So memory card Format         * Terrsion & compression capability.       * So tooks micropression capability.         * Terrsion & compression measurement.       So weread format         * Full capacity zero (taric) control capability.       Full capacity zero (taric) control capability.         * Full capacity zero (taric) control capability.       Transducer         * Full capacity zero (taric) control capability.       Transducer         * Build in too but betry indicator.       * So tooks the data and LCD         * Build in too but park high (tas kold).       * So to So (132* to 122* f).         * Drei bad protection.       * Dore had apper	into the SD c	ard per normal sampling time (1 second	Memory Card	SD mem	ory card. 1 GB to 16 GB.
down load the data to the Excel directly, extra software is no need. User can make the further data analysis (       is no need. User can make the further data analysis (         down load the data to the Excel directly, extra software is no need. User can make the further data analysis (       is stampling time (normal data record mode)         is range LCD display with back (light.       is stampling time (normal data record mode)         is Aind display unit is g, oz, Newton.       is stampling time (normal data record mode)         is Aind display unit is g, oz, Newton.       is stampling time (normal data record mode)         is Aind display unit is g, oz, Newton.       is stampling time (normal data record mode)         is Aind no compression measurement.       is stampling time (normal data record mode)         is and nounced gauges are available.       is stampling time (normal data record mode)         is and nounced gauges are available.       is stampling time (normal data record mode)         is and nounced gauges are available.       is stampling time (normal data record mode)         is and nounced gauges are available.       is stampling time (normal data record mode)         is add nounced gauges are available.       is stampling time (normal data record mode)         is add nounced gauges are available.       is stampling time (normal data record mode)         is add nounced gauges are available.       is stampling time (normal data record mode)         is data stand nounced gauges a			Advanced	* SD mer	mory card Format
is no need. User can make the further data analysis ( graphic analysis) by themselves. * Large LCD display with back light. * 5000 g, wide capacity, high resolution, high accuracy, high repeatability. * 3 kind display unit: a, oz. Newton. * Tension & compression capability. * Decimal point of SD card setting * Full capacity zero (tard) control capability. * Hall ina caresories (adapters) are included. * Decimal point of SD card settery infic. * Decimal point of SD card setter infic. * Decimal point of SD card settery infic. * Decimal point of SD card setter infic. * Decimal point of SD card setter infic. * Decimal point of SD card setter infic. * Decimal point of SD card settery infic. * Decimal point of SD card setter infic. * Decimal point	* After save the	e data into the SD memory card, it can be	setting	* Set close	ck time (Year/Month/Date,
graphic analysis ) by themselves.       *         4 Targe LCD display with back light.       *         * 1 Arge LCD display with back light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 2 Arge LCD display with ack light.       *         * 2 Arge LCD display with ack light.       *         * 2 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display display light.       *         <	down load th	e data to the Excel directly, extra software		Hour/N	linute/Second)
graphic analysis ) by themselves.       *         4 Targe LCD display with back light.       *         * 1 Arge LCD display with back light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 2 Arge LCD display with ack light.       *         * 2 Arge LCD display with ack light.       *         * 2 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display with ack light.       *         * 1 Arge LCD display display light.       *         <	is no need. U	ser can make the further data analysis (		* Set san	npling time ( normal data record mode )
<ul> <li>5.000 g. wide capacity, high resolution, high accuracy, high repeatability.</li> <li>3 kind display unit : g. oz. Newton.</li> <li>5 becimal point of SD card setting</li> <li>Set beg Sound OWOFF</li> <li>5 becimal point of SD card setting</li> <li>Capacity</li> <li>Peak hold (Max. load) can be hold in display during make tension or compression measuring.</li> <li>F lui capacity zero (tarc) control capability.</li> <li>F auti usately zero (tarc) control capability.</li> <li>F auti usately zero (tarc) control capability.</li> <li>F auti usately zero (tarc) control capability.</li> <li>F auti pactive consumption gives long battery life.</li> <li>F auti mode appression (rauti &amp; exclusive load cell transducer.</li> <li>F ulti ma ccessories (capaters) are included.</li> <li>F auti mode appression circuit &amp; exclusive load cell transducer.</li> <li>F over load protection.</li> <li>F over load protection.</li> <li>F over load protection.</li> <li>F orforsional test stand (optional).</li> <li>Positive or reaver adapter input socket.</li> <li>Positive or reaver adapter input socket.</li> <li>Positive or Reverse direction, select by Direction the push button on the front panel.</li> <li>Display</li> <li>LCD (Liquid crystal display), 5 digits, it of Fr): Approx. DC 3 mA.</li> <li>* If LCD backlight on, the power cansumption will increase approx. 3 mA.</li> <li>* If LCD backlight on, the power cansumption glues and appression (PAN event).</li> <li>Pask hold (Max. load ).</li> <li>Peak hold (Max. load ).<td>graphic analy</td><td>vsis ) by themselves.</td><td></td><td></td><td></td></li></ul>	graphic analy	vsis ) by themselves.			
<ul> <li>5.000 g. wide capacity, high resolution, high accuracy, high repeatability.</li> <li>3 kind display unit : g. oz. Newton.</li> <li>5 becimal point of SD card setting</li> <li>Set beg Sound OWOFF</li> <li>5 becimal point of SD card setting</li> <li>Capacity</li> <li>Peak hold (Max. load) can be hold in display during make tension or compression measuring.</li> <li>F lui capacity zero (tarc) control capability.</li> <li>F auti usately zero (tarc) control capability.</li> <li>F auti usately zero (tarc) control capability.</li> <li>F auti usately zero (tarc) control capability.</li> <li>F auti pactive consumption gives long battery life.</li> <li>F auti mode appression (rauti &amp; exclusive load cell transducer.</li> <li>F ulti ma ccessories (capaters) are included.</li> <li>F auti mode appression circuit &amp; exclusive load cell transducer.</li> <li>F over load protection.</li> <li>F over load protection.</li> <li>F over load protection.</li> <li>F orforsional test stand (optional).</li> <li>Positive or reaver adapter input socket.</li> <li>Positive or reaver adapter input socket.</li> <li>Positive or Reverse direction, select by Direction the push button on the front panel.</li> <li>Display</li> <li>LCD (Liquid crystal display), 5 digits, it of Fr): Approx. DC 3 mA.</li> <li>* If LCD backlight on, the power cansumption will increase approx. 3 mA.</li> <li>* If LCD backlight on, the power cansumption glues and appression (PAN event).</li> <li>Pask hold (Max. load ).</li> <li>Peak hold (Max. load ).<td>* Large LCD di</td><td>splay with back light.</td><td></td><td>* Auto po</td><td>ower OFF management</td></li></ul>	* Large LCD di	splay with back light.		* Auto po	ower OFF management
high repeatability.       * set beep Sound OVOFF         * Sind display unit : g. oz, Newton.       * Declinal point of SD card setting.         * Tension & compression capability.       Capacity         * Rei * gask hold * operate both for normal measuring       K. * (Li Capacity zero (Lire) control capability.         * Full capacity zero (Lire) control capability.       Full Scale         * Positive or reverse display direction select.       Prive terms during the second s					5
* Tension & compression capability. Peak hold (Max. Ioad) can be held in display during make tension or compression measurement. * Zero button can operate both for normal measuring & the "peak hold" operation. * Full capacity zero (tare) control capability. * Full ineaccessories (cadputers) are included. * Low power consumption gives iong battery life. * Low power consumption gives iong battery life. * Low power consumption gives iong battery life. * Low power capater input socket. * Professional test stand (optional). <b>SPECIFICATIONS</b> Display Positive or Reverse direction, select by Display All CD (Liquid crystal display). Solution 1 ferois & Compression (Push & Pull). Normal force, "peak hold (Max. load). Peak hold (Max. load). Peak hold (Max. load). Peak hold (Max. load). Peak hold 1 g/0.02 oz/0.01 Newton. Accuracy + (0.4 % + 1 digit), within 23± 5°C. * Under the test weight on 3002 g & 5002 g. Display 3 g/0.10 oz/0.03 Newton. Capacity * Connect the aptional JSS cable * Software for a logging & data * Connect the aptional JSS cable * Software for the aptional JSS cable * Connect the aptional JSS cable * Connect the aptional JSS cable * Connect the aptional JSS cable context the aptional SSS cable divellow. * Connect the aptional JSS cable * Co	high repeatal	bility.		* Set bee	ep Sound ON/OFF
* Tension & compression capability. Peak hold (Max. Ioad) can be held in display during make tension or compression measurement. * Zero button can operate both for normal measuring & the "peak hold" operation. * Full capacity zero (tare) control capability. * Full ineaccessories (cadputers) are included. * Low power consumption gives iong battery life. * Low power consumption gives iong battery life. * Low power consumption gives iong battery life. * Low power capater input socket. * Professional test stand (optional). <b>SPECIFICATIONS</b> Display Positive or Reverse direction, select by Display All CD (Liquid crystal display). Solution 1 ferois & Compression (Push & Pull). Normal force, "peak hold (Max. load). Peak hold (Max. load). Peak hold (Max. load). Peak hold (Max. load). Peak hold 1 g/0.02 oz/0.01 Newton. Accuracy + (0.4 % + 1 digit), within 23± 5°C. * Under the test weight on 3002 g & 5002 g. Display 3 g/0.10 oz/0.03 Newton. Capacity * Connect the aptional JSS cable * Software for a logging & data * Connect the aptional JSS cable * Software for the aptional JSS cable * Connect the aptional JSS cable * Connect the aptional JSS cable * Connect the aptional JSS cable context the aptional SSS cable divellow. * Connect the aptional JSS cable * Co	* 3 kind display	y unit : g, oz, Newton.		* Decima	al point of SD card setting
* Peak hold ( Max, lead ) can be held in display during make tension or compression measurement. * Zero button can operate both for normal measuring & the " peak hold " operation			Overload		
* Zero button can operate both for normal measuring & the " peak hold " operation. Full capacity zero (tare) control capability. * Fast Staw response time push button. * Full capacity zero (tare) control capability. * Low power consumption quices long battery life. * Built in two battery indicator. * Built-in DC 9V power adapter input socket. * Professional test stand ( optional ). <b>SPECIFICATIONS</b> Display positive or Reverse direction, select by Direction the push button on the front panel. Function Tension & Compression (Push & Pull). Normal force, Peak hold (Max. load). Zero Zero button can be operated both for mormal force or "peak hold (Max. load). Zero Zero button can be operated both for formal force or "peak hold (Max. load). Zero Zero button can be operated both for formal force or "peak hold (Max. load). Zero Zero button can be operated both for formal force or "peak hold 0 geration Unit select d/oz/Newton Measure 5,000 g/176.40 oz/49 03 Newton. Capacity for 20.0 1 Newton. Min. Display 3 g/0.10 oz/0.03 Newton. Capacity for 20.0 1 Newton. Min. Display 3 g/0.10 oz/0.03 Newton. Carrying case. * Connect the optional VS2 cable * Commet the op			Capacity		•
* Zero button can operate both for normal measuring & the " peak hold " operation. * Full capacity zero (tare) control capability. * Control the push putton on the front panel. Function Tension & Compression (Push & Pull). Normal force, Peak hold (Max, Load). Per peak hold (Max, Load). Zero Zero button can be operated both for Pack load (Max, Load). Zero Zero button can be operated both for formal force' or "peak hold" operation Unit select <i>for Conce</i> or "peak hold" operation Lincluded Holes adapter	make tensior	n or compression measurement.	Full Scale	Approx.	0.2 mm max.
& the " peak hold " operation.       Zero/tare       Max. full capacity.         * Full capacity zero (tare) control capability.       *       Control         * Fast/Slow response time push button.       Transducer       Exclusive load cell.         * Positive or reverse display direction select.       *       Aklaine or heavy duty DC 1.5 V battery.         * Hund held & stand mounted gauges are available.       *       Aklaine or heavy duty DC 1.5 V battery.         * Build in tow battery indicator.       *       Power Supply       * Aklaine or heavy duty DC 1.5 V battery.         * Build in tow battery indicator.       *       Power Current       Normal operation (.Wo SD card save direction.         * BS-322 computer interface       *       Septention.       *       Power Current         * Borlin DS       Settigts, 16 mm (0.63") digit size.       Back light.       Operating       OC to 50°C (32°F to 122°F ).         Temperature       Operating       Cos of C do 2°C (32°F to 122°F ).       Temperature         Display       ICD ( Liquid crystal display ).       S digits, 16 mm (0.63" ) digit size.       Deperating       OC to 50°C (32°F to 122°F ).         Temperature       Operating       Less than 80% RH.       Humidity       Direction       How k. kual.         Direction       Theros in Ac compression (Push & Pull).       Main instrumen	* Zero button of	can operate both for normal measuring	Deflection		
<ul> <li>* Full capacity zero (tare) control capability.</li> <li>* Fast/Slow response time push button.</li> <li>* Fast/Slow response time push button.</li> <li>* Forsitive or reverse display direction select.</li> <li>* Full line accessories (adapters) are included.</li> <li>* Hand held &amp; stand mounted gauges are available.</li> <li>* New power consumption gives long battery life.</li> <li>* Build in low battery indicator.</li> <li>* Microprocessor circuit &amp; exclusive load cell transducer.</li> <li>* Over load protection.</li> <li>* Microprocessor circuit &amp; exclusive load cell transducer.</li> <li>* Over load protection.</li> <li>* Professional test stand (optional).</li> <li>* Professional test stand (optional).</li> <li>* Professional test stand (optional).</li> <li>* SpecificAtions</li> <li>* July positive or Reverse direction, select by Direction the push button on the front panel.</li> <li>Function the push button on the front panel.</li> <li>Function the push button on the front panel.</li> <li>Peak hold (Max. load).</li> <li>Qurating farcer' or "peak hold" operation</li></ul>				Max. full	capacity.
<ul> <li>* Fast/Slow response time push button.</li> <li>* Positive or reverse display direction select.</li> <li>* Full line accessories (adapters) are included.</li> <li>* Full line accessories (adapters) are included.</li> <li>* Low power consumption gives long battery life.</li> <li>* Build in low battery indicator.</li> <li>* Microprocessor circuit &amp; exclusive load cell transducer.</li> <li>* Over load protection.</li> <li>* Over load protection.</li> <li>* Built-in DC 9V power adapter input socket.</li> <li>* Professional test stand (optional).</li> <li>* Professional test stand (optional).</li> <li>* Professional test stand (optional).</li> <li>* Display</li> <li>LCD (Liquid crystal display).</li> <li>S digits, 16 mm (0.63") digit size.</li> <li>Back light.</li> <li>Display</li> <li>Display interce.</li> <li>Positive or Reverse direction, select by</li> <li>Direction</li> <li>Tensoin &amp; Compression (Push &amp; Puil).</li> <li>Normal force, Peak hold (Max, load).</li> <li>Peak hold</li> <li>Will freeze the display value of the peak hold" operation</li> <li>Positive or adopter incenter and proven adopter incenters and provided on the back case, easy stand mounting.</li> <li>Accessories (Adopter</li></ul>	* Full capacity	zero (tare) control capability.	Control		
<ul> <li>* Full line accessories (adapters) are included.</li> <li>* Hand held &amp; stand mounted gauges are available.</li> <li>* Low power consumption gives long battery life.</li> <li>* Built lin low battery indicator.</li> <li>* Microprocessor circuit &amp; exclusive load cell transducer.</li> <li>* Over load protection.</li> <li>* RS-232 computer interface</li> <li>* RS-232 computer interface</li> <li>* Built-in DC 9V power adapter input socket.</li> <li>* Professional test stand (optional).</li> <li>* Professional test stand (optional).</li> <li>* If LCD backlight is OFF): Approx. DC 3 mA.</li> <li>* If LCD backlight on, the power consumption will increase approx. 3 mA.</li> <li>* Job Siglay</li> <li>LCD (Liquid crystal display).</li> <li>5 digits, 16 mm (0.63") digit size.</li> <li>Back light.</li> <li>Display Positive or Reverse direction, select by Direction the push button on the front panel.</li> <li>Function Tension &amp; Compression (Push &amp; Pull).</li> <li>Normal force, Peak hold (Max. load).</li> <li>Peak hold Will freeze the display value of the Peak load (Max. load).</li> <li>Zero Zero button can be operated both for "normal force" or "peak hold" operation (Model : Sx 3.5 x 1.8 inch).</li> <li>Weight G50 g (1.43 LB )/with batteries.</li> <li>Mounting Main instrument with mounting holes are provided on the back case, easy stand mounting.</li> <li>Accessories (Adapter</li></ul>			Transducer	Exclusive	e load cell.
<ul> <li>* Hand held &amp; stand mounted gauges are available.</li> <li>* Low power consumption gives long battery life.</li> <li>* Build in low battery indicator.</li> <li>* Microprocessor circuit &amp; exclusive load cell transducer.</li> <li>* Over load protection.</li> <li>* Over load protection.</li> <li>* Built in DC 9V power adapter input socket.</li> <li>* Professional test stand (optional).</li> <li>* Julti no C 9V power adapter input socket.</li> <li>* Professional test stand (optional).</li> <li>* SPECIFICATIONS</li> <li>Display</li> <li>Display</li> <li>DC (Liquid crystal display).</li> <li>S digits, 16 mm (0.63°) digit size.</li> <li>Back light.</li> <li>Direction the push button on the front panel.</li> <li>Profession (Push &amp; Pull).</li> <li>Normal force, Peak hold (Max. load).</li> <li>Peak hold Will freeze the display value of the Peak load (Max. load).</li> <li>Peak load (Max. load).</li> <li>Peak load (Max. load).</li> <li>Peak hold Will freeze the display value of the Peak load (Max. load).</li> <li>Peak hold Will freeze the display value of the Peak load (Max. load).</li> <li>Peak hold Will freeze the display value of the Peak load (Max. load).</li> <li>Peak hold Max. load (Max. load).</li> <li>Peak hold (Max. load).</li> <li>Peak</li></ul>	* Positive or re	verse display direction select.	Circuit	Exclusive microprocessor LSI-circuit.	
<ul> <li>Low power consumption gives long battery life.</li> <li>* Due power consumption gives long battery life.</li> <li>* Build in low battery indicator.</li> <li>* Microprocessor circuit &amp; exclusive load cell transducer.</li> <li>* Over load protection.</li> <li>* Over load protection.</li> <li>* Normal operation ( w/o SD card save date and LCD Backlight is OFF) : <i>Approx. DC 7 mA</i>.</li> <li>* Wen SD card save the data and LCD Backlight is OFF) : <i>Approx. DC 38 mA</i>.</li> <li>* Frofessional test stand ( optional ).</li> <li>SPECIFICATIONS</li> <li>Specific At logs of the push button on the front panel.</li> <li>Display Positive or Reverse direction, select by Direction Tension &amp; Compression (Push &amp; Pull). Normal force, Peak hold ( Max. load ).</li> <li>Peak hold ( Max. load ).</li> <li>Peak hold ( Max. load ).</li> <li>Peak load ( Max. load ).</li> <li>Cone the optional US3 scool g.</li> <li>* Under the test weight on 3000 g \$5000 g.</li> <li>* Under the test weight on 3000 g \$5000 g.</li> <li>* Under the test weight on 3000 g \$5000 g.</li> <li>* Under the test weight on 3000 g \$5000 g.</li> <li>* SD memory card ( 2 GB )</li> <li>* Connect the optional RS322 cable U/CB-02 will get the RS322 cable U/CB-02 will get the</li></ul>	* Full line acce	ssories ( adapters ) are included.	Power Supply	*.Alkalir	ne or heavy duty DC 1.5 V battery
<ul> <li>* Build in low battery indicator.</li> <li>* Microprocessor circuit &amp; exclusive load cell transducer.</li> <li>* Over load protection.</li> <li>* Over load protection.</li> <li>* RS-232 computer interface</li> <li>* Built-in DC 9V power adapter input socket.</li> <li>* Professional test stand (optional).</li> <li>SPECIFICATIONS</li> <li>Specifications</li> <li>biglay</li> <li>LCD (Liquid crystal display).</li> <li>5 digits, 16 mm (0.63") digit size.</li> <li>Back light is OFF):</li> <li>Approx. DC 3 mA.</li> <li>* If LCD backlight on, the power consumption will increase approx.</li> <li>3 mA.</li> <li>Operating</li> <li>Operating</li> <li>Display</li> <li>Positive or Reverse direction, select by</li> <li>Direction</li> <li>Tension &amp; Compression (Push &amp; Pull).</li> <li>Normal force, Peak hold (Max. load).</li> <li>Peak hold</li> <li>Will frace the display value of the peak load (Max. load).</li> <li>Peak hold</li> <li>Milt select</li> <li>g/o.20 zo/0.01 Newton.</li> <li>Accuracy</li> <li>± (0.04 % + 1 digit), within 23±5°C.</li> <li>* Under the test weight on 3000 g &amp; 5000 g.</li> <li>Update time</li> <li>Fast Approx. 0.2 second.</li> <li>Yother the test weight on 3000 g &amp; 5000 g.</li> <li>Update time</li> <li>Fast Approx. 0.2 second.</li> <li>Yother the test weight on 3000 g &amp; 5000 g.</li> <li>Update time</li> <li>Fast Approx. 0.2 second.</li> <li>Yother the test weight on 3000 g &amp; 5000 g.</li> <li>Update time</li> <li>Fast Approx. 0.2 second.</li> <li>Yother the test weight on 3000 g &amp; 5000 g.</li> <li>Vota output</li> <li>NS 232 cable. Model : UPG-02</li> <li>* Under the test weight on 3000 g &amp; 5000 g.</li> <li>Yother the est weight on 3000 g &amp; 5000 g.</li> <li>Yother the test weight on 3000 g &amp; 5000 g.</li> <li>Yother the test weight on 3000 g &amp; 5000 g.</li> <li>Yother the test weight on 3000 g &amp; 5000 g.</li> <li>Yother the test weight on 3000 g &amp; 5000 g.</li> <li>Yother the test weight on 3000 g &amp; 5000 g.</li> <li>Yother the test weight on 3000 g &amp; 5000 g.</li> <li>Yother the test weight on 3000 g</li></ul>	* Hand held &	stand mounted gauges are available.		( UM3	, AA) x 6 PCs, or equivalent.
<ul> <li>* Microprocessor circuit &amp; exclusive load cell transducer.</li> <li>* Over load protection.</li> <li>* Over load protection.</li> <li>* RS-232 computer interface</li> <li>* Built-in DC 9V power adapter input socket.</li> <li>* Professional test stand (optional).</li> <li>* Professional test stand (optional).</li> <li>* Professional test stand (optional).</li> <li>* Built-in DC 9V power adapter input socket.</li> <li>* Professional test stand (optional).</li> <li>* Professional test stand (optional).</li> <li>* SetCIFICATIONS</li> <li>S digits, 16 mm (0.63") digit size.</li> <li>Back light.</li> <li>Display Positive or Reverse direction, select by</li> <li>Direction the push button on the front panel.</li> <li>Function Tension &amp; Compression (Push &amp; Pull).</li> <li>Normal force. Peak hold (Max. load).</li> <li>Peak hold (Will freeze the display value of the Peak load (Max. load).</li> <li>Peak hold (Will freeze the display value of the Peak load (Max. load).</li> <li>Peak load (Max. load).</li> <li>Zero Zero buttor can be operated both for "normal force" or "peak hold" operation</li> <li>Min. Display 3 g/0.10 oz/0.03 Newton.</li> <li>Accuracy ± (0.4 % + 1 digit), within 23± 5°C.</li> <li>* Under the test weight on 3000 g &amp; 5000 g.</li> <li>Update time Fast Approx. 0.2 second.</li> <li>Munditize Fast Approx. 0.2 second.</li> <li>Update time Fast Approx. 0.2 second.</li> <li>Solw Approx. 0.2 second.</li> <li>Solw Approx. 0.2 second.</li> <li>Yuedge grip, Model : WG-01</li> <li>* Software for data logging &amp; data recorder.</li> <li>* Connect the optional USS cable</li> </ul>				*.DC 9V	adapter input. (AC/DC power
<ul> <li>* Microprocessor circuit &amp; exclusive load cell transducer.</li> <li>* Over load protection.</li> <li>* Over load protection.</li> <li>* RS-232 computer interface</li> <li>* Built-in DC 9V power adapter input socket.</li> <li>* Professional test stand (optional).</li> <li>* Professional test stand (optional).</li> <li>* BECIFICATIONS</li> <li>Seecific Attions</li> <li>Back light.</li> <li>Display</li> <li>LCD (Liquid crystal display).</li> <li>5 digits, 16 mm (0.63") digit size.</li> <li>Back light.</li> <li>Display Positive or Reverse direction, select by</li> <li>Direction the push button on the front panel.</li> <li>Function Tension &amp; Compression (Push &amp; Pull).</li> <li>Normal force, Peak hold (Max. load).</li> <li>Peak hold</li> <li>Will freeze the display value of the</li> <li>Peak load (Max. load).</li> <li>Zero Zero button can be operated both for</li> <li>"normal force" or "peak hold" operation</li> <li>Holes</li> <li>Hookadapter</li></ul>	* Build in low b	battery indicator.		adapte	er is optional ).
<ul> <li>* Over load protection.</li> <li>* RS-232 computer interface</li> <li>* RS-232 computer interface</li> <li>* RS-232 computer interface</li> <li>* Professional test stand (optional).</li> <li>* Status:</li> <li>Display</li> <li>CD ( Liquid crystal display ).</li> <li>S digits, 16 mm (0.63" ) digit size.</li> <li>Back light.</li> <li>Display</li> <li>Positive or Reverse direction, select by</li> <li>Direction</li> <li>The push button on the front panel.</li> <li>Function</li> <li>Tension &amp; Compression (Push &amp; Pull).</li> <li>Normal force, Peak hold (Max. load).</li> <li>Peak hold</li> <li>Will freeze the display value of the Peak load (Max. load ).</li> <li>Peak kold (Max. load ).</li> <li>Zero</li> <li>Zero button can be operated both for "normal force" or "peak hold" operation</li> <li>Unit select g/oz/Newton.</li> <li>Capacity</li> <li>Min. Display</li> <li>Go g/176.40 oz/49.03 Newton.</li> <li>Capacity</li> <li>Min. Display 3 g/0.10 oz/0.03 Newton.</li> <li>Capacity</li> <li>Y doder the test weight on 3000 g &amp; 5000 g.</li> <li>Update time fast Approx. 0.2 second.</li> <li>Vuertange balays.</li> <li>Display show "" when in over Indicator range status.</li> <li>Data output</li> <li>RS 232/USB PC computer interface.</li> <li>* Connect the optional RS322 cable UVCB-02 will get the RS322 plug.</li> <li>* Connect the optional RS322 cable</li> <li>UVCB-02 will get the RS232 plug.</li> <li>* Connect the optional USB cable</li> </ul>	* Microprocess	or circuit & exclusive load cell	Power Current		
<ul> <li>* RS-232 computer interface</li> <li>* Built-in DC 9V power adapter input socket.</li> <li>* Professional test stand ( optional ).</li> <li>* If LCD backlight on, the power consumption will increase approx.</li> <li>* Jf LCD backlight on, the power consumption will increase approx.</li> <li>* Jm LCD ( Liquid crystal display ).</li> <li>5 digits, 16 mm ( 0.63" ) digit size.</li> <li>Back light.</li> <li>Display</li> <li>Positive or Reverse direction, select by Direction in the push button on the front panel.</li> <li>Function</li> <li>Tension &amp; Compression (Push &amp; Pull).</li> <li>Normal force, Peak hold ( Max. load ).</li> <li>Peak hold Will freeze the display value of the Peak load ( Max. load ).</li> <li>Peak hold ( Max. load ).</li> <li>Pe</li></ul>	transducer.			data and	LCD Backlight is OFF) :
<ul> <li>* Built-in DC <sup>OV</sup> power adapter input socket.</li> <li>* Professional test stand ( optional ).</li> <li>* Professional test stand ( optional ).</li> <li>SPECIFICATIONS</li> <li>Specifications</li> <li>bisplay</li> <li>LCD ( Liquid crystal display ).</li> <li>5 digits, 16 mm ( 0.63" ) digit size.</li> <li>Back light.</li> <li>Display</li> <li>Positive or Reverse direction, select by</li> <li>Direction</li> <li>The push button on the front panel.</li> <li>Function</li> <li>Tension &amp; Compression (Push &amp; Pull).</li> <li>Normal force, Peak hold ( Max. load ).</li> <li>Peak hold</li> <li>Will freeze the display value of the</li> <li>Peak hold ( Max. load ).</li> <li>Peak dod ( Max. load ).</li> <li>Peak load ( Max. load ).</li> <li>Peak hold ( Partimetric at the prove or peak hold or peration mounting.</li> <li>Accuracy ± ( 0.4 % + 1 digit ), within 23± 5°C.</li> <li>* Under the test weight on 3000 g &amp; 5000 g.</li> <li>Update time Fast Appr</li></ul>	* Over load pro	otection.		Appro	x. DC 7 mA.
<ul> <li>* Professional test stand (optional).</li> <li>SPECIFICATIONS</li> <li>Display</li> <li>LCD (Liquid crystal display).</li> <li>5 digits, 16 mm (0.63") digit size.</li> <li>Back light.</li> <li>Display Positive or Reverse direction, select by</li> <li>Direction the push button on the front panel.</li> <li>Function Tension &amp; Compression (Push &amp; Pull).</li> <li>Normal force, Peak hold (Max. load).</li> <li>Peak load (Max. load).</li> <li>Pe</li></ul>				When SI	D card save the data and LCD
SPECIFICATIONS <ul> <li>Set Cifications</li> <li>Display</li> <li>LCD ( Liquid crystal display ).</li> <li>S digits, 16 mm (0.63") digit size.</li> <li>Back light.</li> </ul> 3 mA.             Display         Positive or Reverse direction, select by              0°C to 50°C (32°F to 122°F).           Display         Positive or Reverse direction, select by              0°C to 50°C (32°F to 122°F).           Function         Tension & Compression (Push & Pull).              Normal force, Peak hold (Max. load).              Peak load (Max. load).               Weight               650 g (1.43 LB)/with batteries.           Peak hold         Will freeze the display value of the Peak load (Max. load).              Weight               650 g (1.43 LB)/with batteries.           Mounting         Main instrument with mounting holes are provided on the back case, easy stand mounting.              PC.           Vint select         g/oz/Newton              PC.               Capacity              200 g /176.40 oz/49.03 Newton.               Capacity              1 pC.               Min. Display             3 g/0.10 oz/0.03 Newton.             carrying case             1 PC.               Noder the test weight on 30	* Built-in DC 9	V power adapter input socket.			
SPECIFICATIONS         consumption will increase approx.         Display       LCD ( Liquid crystal display ).       Generating       Consumption will increase approx.         Display       Positive or Reverse direction, select by       Image: Consumption will increase approx.       Consumption will increase approx.         Display       Positive or Reverse direction, select by       Image: Consumption will increase approx.       Consumption will increase approx.         Display       Positive or Reverse direction, select by       Image: Consumption will increase approx.       Consumption will increase approx.         Display       Positive or Reverse direction, select by       Image: Consumption will increase approx.       Consumption will increase approx.         Display       Positive or Reverse direction, select by       Image: Consumption will increase approx.       Consumption will increase approx.         Peak load (Max. load).       Immediate approx.       Peak load (Max. load).       Immediate approx.         Zero       Zero button can be operated both for       Mounting       Main instrument with mounting holes are         Holes       provided on the back case, easy stand       Decemption       1 PC.         Capacity       forder the test weight on 3000 g & 5000 g.       Included       Flat-head adapter       1 PC.         Loder the test weight on 3000 g & 5000 g. <td>* Professional</td> <td>test stand ( optional ).</td> <td></td> <td>Appro</td> <td>x. DC 38 mA.</td>	* Professional	test stand ( optional ).		Appro	x. DC 38 mA.
Display       LCD ( Liquid crystal display ). 5 digits, 16 mm (0.63") digit size. Back light.       3 mA.       7         Display       Positive or Reverse direction, select by       0perating       0°C to 50°C ( 32°F to 122°F ). Temperature         Display       Positive or Reverse direction, select by       0perating       0°C to 50°C ( 32°F to 122°F ).         Display       Positive or Reverse direction, select by       0perating       0°C to 50°C ( 32°F to 122°F ).         Normal force, Peak hold (Max. load ).       0perating       Less than 80% RH.         Peak hold       Will freeze the display value of the Peak load (Max. load ).       0mounting         Zero       Zero button can be operated both for "normal force" or "peak hold" operation       Mounting         Min. Display       3 g/0.10 oz/0.03 Newton.       Accessories       Operating manual       1 PC.         Capacity       1 g/0.02 oz/0.01 Newton.       Accuracy       ± (0.4 % + 1 digit), within 23± 5°C.       1 PC.         * Undar the test weight on 3000 g & 5000 g.       Update time       Fast Approx. 0.2 second.       1 PC.         Over range       Display show " " when in over range status.       * Software for data logging & data recorder.       * UPCB-02 will get the RS322 plug.         * Connect the optional USB cable       * Connect the optional USB cable       * EXCEL data acquisition software </td <td></td> <td></td> <td></td> <td>*.If LCL</td> <td>D backlight on, the power</td>				*.If LCL	D backlight on, the power
5 digits, 16 mm (0.63") digit size. Back light.Operating Temperature0°C to 50°C (32°F to 122°F).Display Direction FunctionPositive or Reverse direction, select by DirectionOperating Temperature0°C to 50°C (32°F to 122°F).Function FunctionTension & Compression (Push & Pull). Normal force, Peak hold (Max. load).Operating HumidityLess than 80% RH.Peak hold Peak load (Max. load).Will freeze the display value of the Peak load (Max. load).Dimension215 x 90 x 45 mm (8.5 x 3.5 x 1.8 inch).Zero Unit select ago 2 robuton can be operated both for "normal force" or "peak hold" operationMain instrument with mounting holes are provided on the back case, easy stand mounting.Muntits Beasure CapacityMoorting (10.40 oz/49.03 Newton.AccessoriesOperating manual1 PC. Cone head adapterMin. Display Min Display Solo 2 oz/0.01 Newton.1 g0.02 oz/0.01 Newton.1 PC. Cone head adapter1 PC. Core head adapter1 PC. Core head adapter1 PC. Core head adapterVudate time Slow Approx. 0.2 second.* Soloo g. Slow Approx. 0.2 second.* SD memory card (2 GB) * Test stand, Model : FS-1001 * Wedge grip, Model : WG-01 * Wedge grip, Model : UPCB-02. * UBC cable, Model : UBCB-01 * Software for data logging & data recorder.Data output WeCP-02 will get the RS232 plug. * Connect the optional USB cableRS 232/USB PC Computer interface. * Connect the optional USB cable* Software for data logging & data recorder.Wedle : SW-UB01-WIN. * EXCEL data acquisition software	SPECIFICATIO	ONS		consu	mption will increase approx.
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"normal force" or "peak hold" operationAccessoriesOperating manual		Peak load ( Max. load ).	Holes	provided	I on the back case, easy stand
"normal force" or "peak hold" operationAccessoriesOperating manual	Zero	Zero button can be operated both for			
Measure       5,000 g/176.40 oz/49.03 Newton.         Capacity       Resolution       1 g/0.02 oz/0.01 Newton.         Min. Display       3 g/0.10 oz/0.03 Newton.       Cone head adapter       1 PC.         Accuracy       ± (0.4 % + 1 digit), within 23±5°C.       * Under the test weight on 3000 g & 5000 g.       1 PC.         Update time       Fast       Approx. 0.2 second.       Optional       * SD memory card (2 GB)         Ver range       Display show " " when in over       * Connect the optional RS232 cable       Wedge grip, Model : UPCB-02.         UPCB-02 will get the RS232 plug.       * Connect the optional USB cable       * Software for data logging & data         * EXCEL data acquisition software		"normal force" or "peak hold" operation	Accessories	Operatin	ig manual1 PC.
Measure       5,000 g/176.40 oz/49.03 Newton.         Capacity       Resolution       1 g/0.02 oz/0.01 Newton.         Min. Display       3 g/0.10 oz/0.03 Newton.       Cone head adapter       1 PC.         Accuracy       ± (0.4 % + 1 digit), within 23±5°C.       * Under the test weight on 3000 g & 5000 g.       1 PC.         Update time       Fast       Approx. 0.2 second.       Optional       * SD memory card (2 GB)         Ver range       Display show " " when in over       * Connect the optional RS232 cable       Wedge grip, Model : UPCB-02.         UPCB-02 will get the RS232 plug.       * Connect the optional USB cable       * Software for data logging & data         * EXCEL data acquisition software	Unit select	3	Included	Flat-hea	d adapter1 PC.
Resolution       1 g/0.02 oz/0.01 Newton.         Min. Display       3 g/0.10 oz/0.03 Newton.         Accuracy       ± (0.4 % + 1 digit), within 23±5°C.         * Under the test weight on 3000 g & 5000 g.         Update time       Fast         Slow       Approx. 0.2 second.         Over range       Display show " " when in over         Indicator       range status.         Data output       RS 232/USB PC computer interface.         * Connect the optional RS232 cable         UPCB-02 will get the RS232 plug.         * Connect the optional USB cable	Measure	5,000 g/176.40 oz/49.03 Newton.			
Min. Display       3 g/0.10 oz/0.03 Newton.         Accuracy       ± (0.4 % + 1 digit), within 23±5°C.         * Under the test weight on 3000 g & 5000 g.         Update time         Fast       Approx. 0.2 second.         Slow       Approx. 0.6 second.         Over range       Display show " " when in over         Indicator       range status.         Data output       RS 232/USB PC computer interface.         * Connect the optional RS232 cable         UPCB-02 will get the RS232 plug.         * Connect the optional USB cable	Capacity				
Accuracy       ± (0.4 % + 1 digit), within 23±5°C.       * Under the test weight on 3000 g & 5000 g.         Wpdate time       Fast       Approx. 0.2 second.         Slow       Approx. 0.6 second.       * Test stand, Model : FS-1001         Over range       Display show " " when in over range status.       * Wedge grip, Model : UPCB-02.         Data output       RS 232/USB PC computer interface.       * Connect the optional RS232 cable UPCB-02 will get the RS232 plug.         * Connect the optional USB cable       * Connect the optional USB cable       * EXCEL data acquisition software	Resolution	1 g/0.02 oz/0.01 Newton.			
* Under the test weight on 3000 g & 5000 g.       Optional       * SD memory card ( 2 GB )         Update time       Fast Approx. 0.2 second.       Accessories       * Test stand, Model : FS-1001         Slow Approx. 0.6 second.       * Wedge grip, Model : WG-01       * Wedge grip, Model : UPCB-02.         Over range       Display show " " when in over range status.       * Software for data logging & data recorder.         Data output       RS 232/USB PC computer interface.       * Software for data logging & data recorder. <i>UPCB-02 will get the RS232 plug.</i> * Connect the optional USB cable       * EXCEL data acquisition software	Min. Display	3 g/0.10 oz/0.03 Newton.		120 mm	extension rod1 PC.
Update time       Fast       Approx. 0.2 second.         Slow       Approx. 0.6 second.       * Test stand, Model : FS-1001         Over range       Display show " " when in over       * RS232 cable, Model : UPCB-02.         Indicator       range status.       * Software for data logging & data         Data output       RS 232/USB PC computer interface.       * Software for data logging & data         * <i>Connect the optional RS232 cable</i> Wodel : SW-U801-WIN.         * <i>Connect the optional USB cable</i> * EXCEL data acquisition software	Accuracy	$\pm$ ( 0.4 % + 1 digit ), within 23± 5°C.			
SlowApprox. 0.6 second.* Wedge grip, Model : WG-01Over rangeDisplay show " " when in over range status.* RS232 cable, Model : UPCB-02.Data outputRS 232/USB PC computer interface. * Connect the optional RS232 cable UPCB-02 will get the RS232 plug. * Connect the optional USB cable* Software for data logging & data recorder. Model : SW-U801-WIN.* Connect the optional USB cable* Connect the optional USB cable* EXCEL data acquisition software		* Under the test weight on 3000 g & 5000 g.	Optional		
Over range       Display show " " when in over       * RS232 cable, Model : UPCB-02.         Indicator       range status.       * USB cable, Model : USB-01         Data output       RS 232/USB PC computer interface.       * Software for data logging & data recorder. <i>UPCB-02 will get the RS232 plug.</i> * Model : SW-U801-WIN.         * Connect the optional USB cable       * EXCEL data acquisition software	Update time	Fast Approx. 0.2 second.	Accessories		
Indicator       range status.       * USB cable, Model : USB-01         Data output       RS 232/USB PC computer interface.       * Software for data logging & data recorder. <i>VPCB-02 will get the RS232 plug.</i> * Connect the optional USB cable       * Model : SW-U801-WIN.         * Connect the optional USB cable       * EXCEL data acquisition software				* Wedge	e grip, Model : WG-01
Indicator       range status.       * USB cable, Model : USB-01         Data output       RS 232/USB PC computer interface.       * Software for data logging & data recorder. <i>VPCB-02 will get the RS232 plug.</i> * Connect the optional USB cable       * Model : SW-U801-WIN.         * Connect the optional USB cable       * EXCEL data acquisition software	Over range	Display show " " when in over		* RS232	cable, Model : UPCB-02.
* Connect the optional RS232 cable       recorder.         UPCB-02 will get the RS232 plug.       Model : SW-U801-WIN.         * Connect the optional USB cable       * EXCEL data acquisition software	Indicator				
* Connect the optional RS232 cable       recorder.         UPCB-02 will get the RS232 plug.       Model : SW-U801-WIN.         * Connect the optional USB cable       * EXCEL data acquisition software	Data output	RS 232/USB PC computer interface.		* Softwa	are for data logging & data
* Connect the optional USB cable * EXCEL data acquisition software				record	ler.
		UPCB-02 will get the RS232 plug.		Model	: SW-U801-WIN.
		* Connect the optional USB cable			
USB-01 will get the USB plug. Model : SW-E802					

USB-01 will get the USB plug.
 \* Appearance and specifications listed in this brochure are subject to change without notice.

1406-FG6005SD

# *SD Card real time data recorder, Patent Fast recorder, min. 20 ms sampling time*

# FORCE GAUGE 20 Kg

### Model : FG-6020SD

ISO-9001, CE, IEC1010







Test stand, optional FS-1001





20 Kg SD Card real time recorder 10 ms sampling time recorder

# **FORCE GAUGE**

Model : FG-6020SD

	Model : FG-602	020			
* Data record	mode : Normal model or Peak hold mode.	Normal data	Auto	1 sec to 8 hour 59 min. 5	
* Normal reco		record mode	data	@ Sampling time can set to 1 s	
Set sampling time from 1 second to 8 hours.			logger	but memory data may loss.	
* Peak hold re	Sampling Time	Manual	Push the data logger butto		
	time from 10 ms to 500 ms.	Setting range	data	once will save data one tin	
	acity of normal record mode : 1 GB to 16 GB. acity of peak hold record mode :	-	logger	@ Set the sampling time to 0 second.	
1000 data no				@ Manual mode, can also selec	
* Under Peak	hold record mode, if execute the " Data			1 to 99 position (Location)	
	ction, the memory circuit will store 1000	Peak hold		o 500 mS.	
	ax.) measuring data into the SD card per	data record		setting step is 10 mS.	
	ampling time ( 10 ms to 500 ms ). al record mode, if execute the " Data record	Sampling Time		data logger nemory circuit will store 100	
	ill save the measuring data along the real	Setting range		no. (max.) measuring data	
	Year/Month/ Date/Hour/Minute/Second )	Data error no.	0.1% of total saved data max.		
	card per normal sampling time (1 second	Memory Card		nory card. 1 GB to 16 GB.	
to 8 hours ).		Advanced		mory card Format	
	e data into the SD memory card, it can be ne data to the Excel directly, extra software	setting		ck time (Year/Month/Date, /inute/Second)	
	Jser can make the further data analysis (			mpling time ( normal data record	
graphic anal	ysis ) by themselves.			mpling time ( peak hold data reco	
	isplay with back light.			ower OFF management	
	capacity, high resolution, high accuracy,		* Unit se	0	
high repeata	y unit : Kg, lb, Newton.	-		ep Sound ON/OFF al point of SD card setting	
	ompression capability .	Overload	Max. 30		
	Max. load ) can be held in display during	Capacity		5	
	n or compression measurement.	Full Scale	Approx.	0.4 mm max.	
	can operate both for normal measuring	Deflection	Max full	Loopooity	
	hold " operation. zero (tare) control capability.	Zero/tare Control	Max. Tul	l capacity.	
	sponse time push button.	Transducer	Exclusive	Exclusive load cell.	
	everse display direction select.	Circuit	Exclusive microprocessor LSI-circuit		
	essories ( adapters ) are included.	Power Supply		ne or heavy duty DC 1.5 V b	
	stand mounted gauges are available.	-		AA) x 6 PCs, or equivale	
	consumption gives long battery life. battery indicator.	-		/ adapter input. ( AC/DC pov er is optional ).	
	sor circuit & exclusive load cell	Power Current		operation ( w/o SD card sav	
transducer.				LCD Backlight is OFF) :	
* Over load pr				ox. DC 7 mA.	
	outer interface	-		D card save the data and LC	
	V power adapter input socket. test stand ( optional ).	-		t is OFF) : <i>x. DC 38 mA.</i>	
Troicssional				D backlight on, the power	
SPECIFICATI		_	consu	mption will increase approx	
Display	LCD (Liquid crystal display).		3 mA.		
	5 digits, 16 mm (0.63") digit size.	Operating	0°C to 5	0°C ( 32°F to 122°F ).	
Display	Back light. Positive or Reverse direction, select by	Temperature Operating	Less tha	n 80% RH.	
Direction	the push button on the front panel.	Humidity	2000 110		
Function	Tension & Compression (Push & Pull).	Dimension	215 x 90	) x 45 mm ( 8.5 x 3.5 x 1.8	
	Normal force, Peak hold (Max. load).	Weight		1.43 LB )/with batteries.	
Peak hold	Will freeze the display value of the	Mounting		trument with mounting hole	
Zero	Peak load (Max. load). Zero button can be operated both for	Holes	mountin	d on the back case, easy stand	
2010	"normal force" or "peak hold" operation	Accessories		g. ng manualí	
Unit select	Kg, Ib, Newton.	Included		d adapter1	
Measure	20.00 Kg/44.10 lb/196.12 Newton.			apter	
Capacity	0.01 Kg/0.01 lb/0.02 Nourton	-		ad adapter1	
Resolution Min. Display	0.01 Kg/0.01 lb/0.02 Newton. 0.02 Kg/0.07 lb/0.3 Newton,	-		ead adapter1 extension rod1	
Accuracy	$\pm$ (0.5 % + 2 digits), within 23± 5°C.	-		case1	
	* Under the test weight on 10 Kg & 20 Kg.	Optional	* SD me	emory card ( 2 GB )	
Update time	Fast Approx. 0.2 second.	Accessories		tand, Model : FS-1001	
	Slow Approx. 0.6 second.	-		e grip, Model : WG-01	
Over range Indicator	Display show " " when in over range status.			cable, Model : UPCB-02. able, Model : USB-01	
Data output	RS 232/USB PC computer interface.	1		are for data logging & data	
	* Connect the optional RS232 cable		record	00 0	
	UPCB-02 will get the RS232 plug.			: SW-U801-WIN.	
	* Connect the optional USB cable			data acquisition software	
	USB-01 will get the USB plug.		Model	: SW-E802	

hour 59 min. 59 sec. time can set to 1 second, ory data may loss. ata logger button ave data one time. mpling time to ode, can also select the osition ( Location ) no. is 10 mS. uit will store 1000 measuring data. data max. GB to 16 GB. mat /Month/Date, ) normal data record mode ) eak hold data record mode) nagement OFF ard setting ٢. ssor LSI-circuit. duty DC 1.5 V battery Cs, or equivalent. out. ( AC/DC power ıl ). w/o SD card save ght is OFF) : the data and LCD n, the power increase approx. o 122°F ). 8.5 x 3.5 x 1.8 inch ). th batteries. h mounting holes are k case, easy stand .....1 PC. ..... 1 PC. ..... 1 PC. .....1 PC. od.....1 PC. 2 GB ) : FS-1001 : WG-01 el : UPCB-02.

# *SD Card real time data recorder, Patent Fast recorder, min. 20 ms sampling time*

# FORCE GAUGE 100 Kg

### Model : FG-6100SD

*ISO-9001, CE, IEC1010* 





*100 Kg SD Card real time recorder 10 ms sampling time recorder* 

### FORCE GAUGE Model : FG-6100SD

#### FEATURES

	LATORES
*	Data record mode : Normal model or Peak hold mode.
*	Normal record mode :
	Set sampling time from 1 second to 8 hours.
*	Peak hold record mode :
	Set sampling time from 10 ms to 500 ms.
*	Memory capacity of normal record mode : 1 GB to 16 GB.
*	Memory capacity of peak hold record mode :
	1000 data no. (max.)
*	Under Peak hold record mode, if execute the " Data
	record " function, the memory circuit will store 1000
	data no. (max.) measuring data into the SD card per
	fast speed sampling time (10 ms to 500 ms).
*	Under Normal record mode, if execute the " Data record
	" function, will save the measuring data along the real
	time value ( Year/Month/ Date/Hour/Minute/Second )
	into the SD card per normal sampling time (1 second
	to 8 hours ).
*	After save the data into the SD memory card, it can be
	down load the data to the Excel directly, extra software
	is no need. User can make the further data analysis (
	graphic analysis ) by themselves.
*	Large LCD display with back light.
*	100 Kg, wide capacity, high resolution, high accuracy,
	high repeatability.
*	3 kind display unit : Kg, lb, Newton.
*	Tension & compression capability .
*	Peak hold (Max. load) can be held in display during
	make tension or compression measurement.
*	Zero button can operate both for normal measuring
	& the " peak hold " operation.
*	Full capacity zero (tare) control capability.
*	Fast/Slow response time push button.
*	Positive or reverse display direction select.
*	Hand held & stand mounted gauges are available.
*	Low power consumption gives long battery life.
*	Build in low battery indicator.
*	Microprocessor circuit & exclusive load cell
	transducer.
*	Over load protection.
*	RS-232 computer interface
*	Built-in DC 9V power adapter input socket.

\* Built-in DC 9V power adapter input socket.
 \* Professional test stand ( optional ).

#### SPECIFICATIONS

SPECIFICATI	ONS
Display	LCD ( Liquid crystal display ).
	5 digits, 16 mm (0.63") digit size.
	Back light.
Display	Positive or Reverse direction, select by
Direction	the push button on the front panel.
Function	Tension & Compression (Push & Pull).
	Normal force, Peak hold (Max. load).
Peak hold	Will freeze the display value of the
	Peak load ( Max. load ).
Zero	Zero button can be operated both for
	"normal force" or "peak hold" operation
Unit select	Kg, Ib, Newton.
Measure	100 Kg/220.5 lb/980.6 Newton.
Capacity	
Resolution	0.02 Kg/0.02 lb/0.2 Newton.
Min. Display	0.15 Kg/0.35 lb/1.4 Newton.
Accuracy	± (0.5 % + 0.1 Kg), within 23± 5℃.
	* Under the test weight on 100 Kg & 10 Kg.
Update time	Fast Approx. 0.2 second.
	Slow Approx. 0.6 second.
Over range	Display show " " when in over
Indicator	range status.
Overload	Max. 150 kg.
Capacity	
Full Scale	Less than 1 mm.
Deflection	

Normal data	Auto	1 sec to 8 hour 59 min. 59 sec.	
record mode	data	@ Sampling time can set to 1 second,	
	logger	but memory data may loss.	
('Sampling time Setting range )	Manual	Push the data logger button	
	data loggor	once will save data one time.	
	logger	@ Set the sampling time to 0 second.	
		@ Manual mode, can also select the	
		1 to 99 position (Location) no.	
Peak hold	10 mS to 5		
data record	* Each setting step is 10 mS.		
mode	* Auto data logger		
Sampling Time	* The memory circuit will store 1000		
Setting range	data no. (max.) measuring data. $\leq 0.1\%$ of total saved data max.		
Data error no.	SD memory card. 1 GB to 16 GB.		
Memory Card Advanced		* SD memory card Format	
setting	* Set clock time ( Year/Month/Date,		
	Hour/Minute/Second )		
		ing time ( normal data record mode )	
		ing time ( peak hold data record mode)	
	* Auto power OFF management		
	* Unit setting		
		Sound ON/OFF	
	· · · · · · · · · · · · · · · · · · ·	oint of SD card setting	
Data output		B PC computer interface.	
	* Connect the optional RS232 cable UPCB-02 will get the RS232 plug.		
	* Connect the optional USB cable		
	USB-01 will get the USB plug.		
Zero/tare	Max. full ca		
Control			
Sensor type	S type load cell.		
Circuit	Exclusive microprocessor LSI-circuit.		
Power Supply	* Alkaline or heavy duty DC 1.5 V battery		
	(UM3, AA) x 6 PCs, or equivalent. *.DC 9V adapter input. (AC/DC power		
Power Current	adapter is optional ). Normal operation ( w/o SD card save		
		CD Backlight is OFF) :	
	Approx. DC 7 mA.		
	When SD card save the data and LCD		
	Backlight is	SOFF) :	
		DC 38 mA.	
	*.If LCD b	acklight on, the power	
	· · ·	otion will increase approx.	
	3 mA.		
Operating	UC TO 50°C	${}_{\rm C}$ ( $32^{\circ}{\rm F}$ to $122^{\circ}{\rm F}$ ).	
Temperature Operating	Less than 8	80% RH	
Humidity		νο κπ.	
Dimension	215 x 90 x	45 mm ( 8.5 x 3.5 x 1.8 inch ).	
Dimension	Main instru		
		45 mm ( 8.5 x 3.5 x 1.8 inch ).	
	Sensor with	n two hooks :	
	162 x 51 x	22 mm ( 6.4 x 2.0 x 0.9 inch )	
	2 meters.		
Weight	Main instru		
	288 g ( 0.6	3 LB )	
Accession	Sensor : 6	35 g ( 1.40 LB )	
Accessories Included	i ü		
meluucu	2 meter cable		
		lise 1 PC.	
Optional	* SD mem	ory card ( 4 GB )	
Accessories		ible, Model : UPCB-02.	
		e, Model : USB-01	
		for data logging & data	
	recorder.		
	1	SW-U801-WIN.	
	Model : S	5VV-UOUT-VVIIN.	
		ata acquisition software	

\* Appearance and specifications listed in this brochure are subject to change without notice.

1505-FG6100SD