

5,000 g, tension & compression

FORCE GAUGE

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.



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LUTRON ELECTRONIC

The Art of Measurement

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

FORCE GAUGE

Model : FG-5005

FEATURES

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|--|
| * Large LCD display with back light. |
| * 5,000 g, 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 Direction | Positive or Reverse direction, select by 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 Capacity | 5,000 g/176.40 oz/49.03 Newton. |
| Resolution | 1 g/0.05 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 Approx. 0.2 second. Slow Approx. 0.6 second. |
| Over range Indicator | Display show " - - - - " when in over range status. |
| Data output | RS-232 serial computer interface. |
| Overload Capacity | Max. 7 kg. |
| Full Scale Deflection | Approx. 0.2 mm max. |
| Zero/tare Control | Max. full capacity. |
| Circuit | Exclusive microprocessor LSI-circuit. |
| Power Supply | 6 x 1.5 V AA (UM-3) size battery or DC 9V adapter (not included). |
| Power Consumption | Approx. DC 28 mA |
| Transducer | Exclusive load cell. |
| Operating Temperature | 0°C to 50°C (32°F to 122°F). |
| Operating Humidity | Less than 80% RH. |
| 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 Holes | Main instrument with mounting holes are provided on the back case, easy stand mounting. |
| Accessories Included | Operating manual 1 PC. Flat-head adapter.....1 PC. Hook adapter1 PC. Cone head adapter1 PC. Chisel head adapter 1 PC. 120 mm extension rod.....1 PC. Carrying case1 PC. |
| Optional Accessories | * Test stand, Model : FS-1001 * Wedge grip, Model : WG-01 * 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.

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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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LUTRON ELECTRONIC

The Art of Measurement

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

FORCE GAUGE

Model : FG-5020

FEATURES

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|--|
| * 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 Direction | Positive or Reverse direction, select by 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 Capacity | 20.00 Kg/44.10 LB/196.10 Newton. |
| Resolution | 0.01 Kg/0.01 LB/0.05Newton. |
| Min. Display | 0.02 Kg/0.07 LB/0.3 Newton, |
| Accuracy | ± (0.5 % + 2 digits), within 23± 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 Indicator | Display show " - - - - " when in over range status. |
| Data output | RS-232 serial computer interface. |
| Overload Capacity | Max. 30 kg. |
| Full Scale Deflection | Approx. 0.4 mm max. |
| Zero/tare Control | Max. full capacity. |
| Circuit | Exclusive microprocessor LSI-circuit. |
| Power Supply | 6 x 1.5 V AA (UM-3) size battery or DC 9V adapter (not included). |
| Power Consumption | Approx. DC 28 mA |
| Transducer | Exclusive load cell. |
| Operating Temperature | 0°C to 50°C (32°F to 122°F). |
| Operating Humidity | Less than 80% RH. |
| 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 Holes | Main instrument with mounting holes are provided on the back case, easy stand mounting. |
| Accessories Included | Operating manual 1 PC. Flat-head adapter.....1 PC. Hook adapter1 PC. Cone head adapter1 PC. Chisel head adapter 1 PC. 120 mm extension rod.....1 PC. Carrying case1 PC. |
| Optional Accessories | * Test stand, Model : FS-1001 * Wedge grip, Model : WG-01 * RS232 cable, Model : UPCB-01 * USB cable, Model : USB-01 * Software for data logging & data recorder. Model : SW-U801-WIN. |

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FORCE GAUGE

Model : FS-1001

ISO-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.



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The Art of Measurement

100 Kg, tension & compression

FORCE GAUGE

Model : FG-5100

ISO-9001, CE, IEC1010



FEATURES

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



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LUTRON ELECTRONIC

The Art of Measurement

100 Kg x 0.05 Kg, Kg/LB/Newton, RS232

FORCE GAUGE

Model : FG-5100

FEATURES

| |
|--|
| * Large LCD display with back light. |
| * Tension & compression capability . |
| * 100 Kg, wide capacity, high resolution, high accuracy, high repeatability. |
| * 3 kind display unit, Kg/LB/Newton. |
| * Seperate sensor. |
| * 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. |
| * Over load protection. |
| * Hand held & stand mounting available. |
| * Low power consumption gives long battery life. |
| * Build in low battery indicator. |
| * Microprocessor circuit & exclusive load cell transducer. |
| * RS-232 computer interface . |
| * Power supply built-in DC 9V adapter input socket. |

SPECIFICATIONS

| | |
|-------------------|---|
| Display | LCD (Liquid crystal display). 5 digits, 16 mm (0.63") digit size. Back light. |
| Display Direction | Positive or Reverse direction, select by 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/LB/Newton |
| Measure Capacity | 100 Kg/220 LB/980 Newton. |
| Resolution | 0.05 Kg/0.05 LB/0.2 Newton. |
| Min. Display | 0.15 Kg/0.35 LB/1.4 Newton. |
| Accuracy | ± (0.5 % + 2 digits), within 23± 5°C . * Under the test weight on 100 Kg & 10 Kg. |
| Data output | RS-232 serial computer interface. |

| | |
|-----------------------|---|
| Update time | Fast Approx. 0.2 second. Slow Approx. 0.6 second. |
| Over range Indicator | Display show " - - - - " when in over range status. |
| Overload Capacity | Max. 150 kg. |
| Full Scale Deflection | Less than 1 mm. |
| Zero/tare Control | Max. full capacity. |
| Circuit | Exclusive microprocessor LSI-circuit. |
| Sensor type | S type load cell. |
| Power Supply | 6 x 1.5 V AA (UM-3) size battery or DC 9V adapter (not included). |
| Power Consumption | Approx. DC 28 mA |
| Operating Temperature | 0°C to 50°C (32°F to 122°F). |
| Operating Humidity | Less than 80% RH. |
| Dimension | <i>Main instrument :</i> 215 x 90 x 45 mm (8.5 x 3.5 x 1.8 inch). <i>Sensors with two hooks :</i> 130 x 51 x 18 mm (4.7 x 2.0 x 0.7 inch). <i>Cable length :</i> 2 meters. |
| Weight | <i>Main instrument :</i> 450 g (0.99 LB). <i>Sensors :</i> 380 g (0.84 LB). |
| Mounting Holes | Main instrument with mounting holes are provided on the back case, easy stand mounting. |
| Accessories Included | Operating manual 1 PC. 100 Kg sensor with 2 hooks and 2 meter cable..... 1 PC. Hard carrying case 1 PC. |
| Optional Accessories | * RS232 cable, Model : UPGB-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-FG5100

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

FORCE GAUGE 5,000 g

Model : FG-6005SD

ISO-9001, CE, IEC1010



Test stand, optional
FS-1001



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The Art of Measurement

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

FORCE GAUGE

Model : FG-6005SD

FEATURES

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| * 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. |
| * 5,000 g, 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 Direction | Positive or Reverse direction, select by 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 Capacity | 5,000 g/176.40 oz/49.03 Newton. |
| 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 Approx. 0.2 second. Slow Approx. 0.6 second. |
| Over range Indicator | Display show " - - - - " when in over 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 USB-01 will get the USB plug. |

| | | |
|-----------------------------|--------------------|--|
| Normal data record mode | Auto data logger | 1 sec to 8 hour 59 min. 59 sec. @ Sampling time can set to 1 second, but memory data may loss. |
| Sampling Time Setting range | Manual data logger | Push the data logger button once will save data one time. @ Set the sampling time to 0 second. @ Manual mode, can also select the 1 to 99 position (Location) no. |
| Peak hold data record mode | | 10 mS to 500 mS. * Each setting step is 10 mS. * Auto data logger |
| Sampling Time Setting range | | * The memory circuit will store 1000 data no. (max.) measuring data. |
| Data error no. | | 0.1% of total saved data max. |
| Memory Card | | SD memory card. 1 GB to 16 GB. |
| Advanced setting | | * SD memory card Format * Set clock time (Year/Month/Date, Hour/Minute/Second) * Set sampling time (normal data record mode) * Set sampling time (peak hold data record mode) * Auto power OFF management * Unit setting * Set beep Sound ON/OFF * Decimal point of SD card setting |
| Overload Capacity | | Max. 7 kg. |
| Full Scale Deflection | | Approx. 0.2 mm max. |
| Zero/tare Control | | Max. full capacity. |
| Transducer | | Exclusive 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 adapter is optional). |
| Power Current | | Normal operation (w/o SD card save data and LCD Backlight is OFF) : Approx. DC 7 mA. When SD card save the data and LCD Backlight is OFF) : Approx. DC 38 mA. * .If LCD backlight on, the power consumption will increase approx. 3 mA. |
| Operating Temperature | | 0°C to 50°C (32°F to 122°F). |
| Operating Humidity | | Less than 80% RH. |
| 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 Holes | | Main instrument with mounting holes are provided on the back case, easy stand mounting. |
| Accessories Included | | Operating manual 1 PC. Flat-head adapter..... 1 PC. Hook adapter 1 PC. Cone head adapter 1 PC. Chisel head adapter 1 PC. 120 mm extension rod..... 1 PC. Carrying case 1 PC. |
| Optional Accessories | | * SD memory card (2 GB) * Test stand, Model : FS-1001 * Wedge grip, Model : WG-01 * RS232 cable, Model : UPCB-02. * USB cable, Model : USB-01 * Software for data logging & data recorder. Model : SW-U801-WIN. * EXCEL data acquisition software Model : SW-E802 |

* 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



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

FORCE GAUGE

Model : FG-6020SD

FEATURES

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|--|
| * 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. |
| * 20 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. |
| * 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 Direction | Positive or Reverse direction, select by 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, lb, Newton. |
| Measure Capacity | 20.00 Kg/44.10 lb/196.12 Newton. |
| Resolution | 0.01 Kg/0.01 lb/0.02 Newton. |
| Min. Display | 0.02 Kg/0.07 lb/0.3 Newton. |
| Accuracy | ± (0.5 % + 2 digits), within 23± 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 Indicator | Display show " - - - - " when in over 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 USB-01 will get the USB plug. |

| | | |
|-----------------------------|--------------------|---|
| Normal data record mode | Auto data logger | 1 sec to 8 hour 59 min. 59 sec. @ Sampling time can set to 1 second, but memory data may loss. |
| Sampling Time Setting range | Manual data logger | Push the data logger button once will save data one time. @ Set the sampling time to 0 second. @ Manual mode, can also select the 1 to 99 position (Location) no. |
| Peak hold data record mode | | 10 mS to 500 mS. * Each setting step is 10 mS. * Auto data logger |
| Sampling Time Setting range | | * The memory circuit will store 1000 data no. (max.) measuring data. |
| Data error no. | | 0.1% of total saved data max. |
| Memory Card | | SD memory card. 1 GB to 16 GB. |
| Advanced setting | | * SD memory card Format * Set clock time (Year/Month/Date, Hour/Minute/Second) * Set sampling time (normal data record mode) * Set sampling time (peak hold data record mode) * Auto power OFF management * Unit setting * Set beep Sound ON/OFF * Decimal point of SD card setting |
| Overload Capacity | | Max. 30 kg. |
| Full Scale Deflection | | Approx. 0.4 mm max. |
| Zero/tare Control | | Max. full capacity. |
| Transducer | | Exclusive 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 adapter is optional). |
| Power Current | | Normal operation (w/o SD card save data and LCD Backlight is OFF) : Approx. DC 7 mA. When SD card save the data and LCD Backlight is OFF) : Approx. DC 38 mA. * .If LCD backlight on, the power consumption will increase approx. 3 mA. |
| Operating Temperature | | 0°C to 50°C (32°F to 122°F). |
| Operating Humidity | | Less than 80% RH. |
| 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 Holes | | Main instrument with mounting holes are provided on the back case, easy stand mounting. |
| Accessories Included | | Operating manual 1 PC. Flat-head adapter..... 1 PC. Hook adapter 1 PC. Cone head adapter 1 PC. Chisel head adapter 1 PC. 120 mm extension rod..... 1 PC. Carrying case 1 PC. |
| Optional Accessories | | * SD memory card (2 GB) * Test stand, Model : FS-1001 * Wedge grip, Model : WG-01 * RS232 cable, Model : UPCB-02. * USB cable, Model : USB-01 * Software for data logging & data recorder. Model : SW-U801-WIN. * EXCEL data acquisition software Model : SW-E802 |

* 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 GAUGE 100 Kg

Model : FG-6100SD

ISO-9001, CE, IEC1010



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The Art of Measurement

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

FORCE GAUGE

Model : FG-6100SD

FEATURES

| |
|--|
| * 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. |
| * Professional test stand (optional). |

SPECIFICATIONS

| | |
|-----------------------|---|
| Display | LCD (Liquid crystal display). 5 digits, 16 mm (0.63") digit size. Back light. |
| Display Direction | Positive or Reverse direction, select by 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, lb, Newton. |
| Measure Capacity | 100 Kg/220.5 lb/980.6 Newton. |
| 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°C . * Under the test weight on 100 Kg & 10 Kg. |
| Update time | Fast Approx. 0.2 second. Slow Approx. 0.6 second. |
| Over range Indicator | Display show " - - - - " when in over range status. |
| Overload Capacity | Max. 150 kg. |
| Full Scale Deflection | Less than 1 mm. |

| | | |
|--------------------------------|--------------------|---|
| Normal data record mode | Auto data logger | 1 sec to 8 hour 59 min. 59 sec. @ Sampling time can set to 1 second, but memory data may loss. |
| (Sampling time Setting range) | Manual data logger | Push the data logger button once will save data one time. @ Set the sampling time to 0 second. @ Manual mode, can also select the 1 to 99 position (Location) no. |
| Peak hold data record mode | | 10 mS to 500 mS. * Each setting step is 10 mS. |
| Sampling Time Setting range | | * Auto data logger * The memory circuit will store 1000 data no. (max.) measuring data. |
| Data error no. | | ≤ 0.1% of total saved data max. |
| Memory Card | | SD memory card. 1 GB to 16 GB. |
| Advanced setting | | * SD memory card Format * Set clock time (Year/Month/Date, Hour/Minute/Second) * Set sampling time (normal data record mode) * Set sampling time (peak hold data record mode) * Auto power OFF management * Unit setting * Set beep Sound ON/OFF * Decimal point of SD card setting |
| 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 USB-01 will get the USB plug. |
| Zero/tare Control | | Max. full capacity. |
| 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 adapter is optional). |
| Power Current | | Normal operation (w/o SD card save data and LCD Backlight is OFF) : Approx. DC 7 mA. When SD card save the data and LCD Backlight is OFF) : Approx. DC 38 mA. * If LCD backlight on, the power consumption will increase approx. 3 mA. |
| Operating Temperature | | 0°C to 50°C (32°F to 122°F). |
| Operating Humidity | | Less than 80% RH. |
| Dimension | | 215 x 90 x 45 mm (8.5 x 3.5 x 1.8 inch). |
| Dimension | | Main instrument : 215 x 90 x 45 mm (8.5 x 3.5 x 1.8 inch). Sensor with two hooks : 162 x 51 x 22 mm (6.4 x 2.0 x 0.9 inch) 2 meters. |
| Weight | | Main instrument : 288 g (0.63 LB) Sensor : 635 g (1.40 LB) |
| Accessories Included | | Operating manual 1 PC. 100 Kg sensor with 2 hooks and 2 meter cable..... 1 PC. Carrying case 1 PC. |
| Optional Accessories | | * SD memory card (4 GB) * RS232 cable, Model : UPCB-02. * USB cable, Model : USB-01 * Software for data logging & data recorder. Model : SW-U801-WIN. * EXCEL data acquisition software Model : SW-E802 |

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