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TES-1319 Thermometer (Type K)

- Switchable Resolution 0.1°/1° & °C/°F
- MAX/MIN/Data Hold Function
- Flip-up stand



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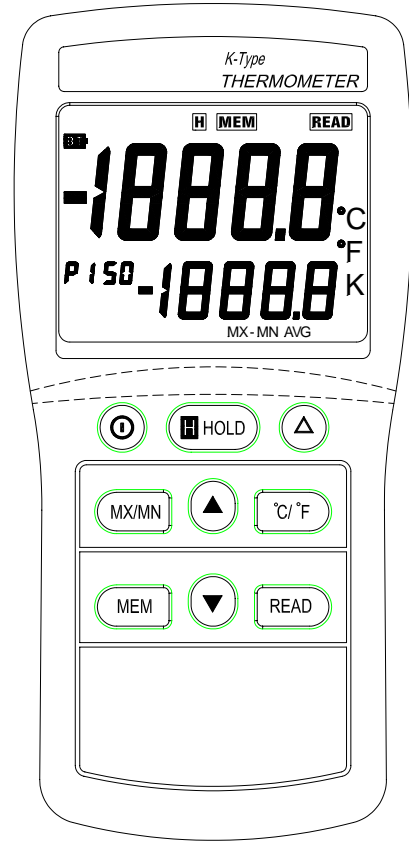
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

TES 1319A K-Type Thermometer

FEATURE :

- Type “K” thermocouple input.
- Data hold function.
- MAX / MIN / AVG function.
- Offset function.
- / User-Selective.
- 0.1 / 0.1 resolution.
- Auto power off function.
- Memory and Read function.



SPECIFICATIONS :

Measuring Range	-50 to 1300 , -58 to 1999
Display Resolution	0.1 / 0.1
Measurement Accuracy	-50 to 0 0.5% ± 1 0 to 1000 0.3% ± 1 1000 to 1300 0.5% ± 1 -58 to 0 0.5% ± 2 0 to 1832 0.3% ± 2 1832 to 1999 0.5% ± 2
Temperature Coefficient	0.1 x (specified accuracy) per outside the specified +18 to 28 (+64 to 82) range.
Data Memory Capacity	150 sets (Direct reading from LCD display.
Input Protection	20V maximum input voltage
Sampling Rate	2.5 time/sec
Operating/Storage Conditions	0 ~ 50 < 80% RH , -10 ~ 60 < 70%RH
Power Source	6 pcs size AAA Battery
Battery Life	Approx. 110hours.
Size	152(L) x72(W) x37(H)mm
Weight	Approx. 235g
Accessories	Instruction manual, Battery

TES-1319 Thermometer



FEATURES

- Type "K" Thermocouple Input.
- Switchable Resolution 0.1° / 1° .
- With °C & °F switching.
- Max / MIN Function.
- Data Hold Function.
- Flip-up stand.



SPECIFICATION

Measuring Rang	- 50 °C ~ 1350°C , -58 °F ~ 1999 °F
Sensor	K Type Thermocouple
Input	Single Channe
Resolution	- 50 °C ~ 199.9 °C0.1 °C , - 50 °F ~ 199.9 °F0.1 °F (Others 1 °C/1 °F)
Accuracy	- 50 °C ~ 199.9 °C... +/- (0.3%rdg + 1 °C) - 50 °F ~ 199.9 °F... +/- (0.3%rdg + 2 °F) - 50 °C ~ 1000 °C... +/- (0.5%rdg + 1 °C) - 50 °F ~ 1999 °F... +/- (0.5%rdg + 2 °F) 1001 °C ~ 1300 °C... +/- (0.75%rdg + 1 °C)
Temperature Coefficient	Less that 0.1 times the applicable accuracy specification per °C (°F)
Input Protection	60V DC or 24 Vrms AC maximum input voltage on any Combination of input Connector
Sampling Rate	2.5 times / sec
Operating / Storage Conditions	0 °C ~ 40 °C <80%RH , - 10 °C ~ 60 °C < 70%RH
Power Source	6 pcs AAA size Battery

Size	135mm(L) x 72mm(W) x 31mm(H)
Weight	235g
Accessories	Battery, Instruction, Manual

[Close Window](#)**TES** TES Electrical Electronic Corp.

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TES-1306 K/J Dual Channels Thermometer

- K/J type thermocouple Input
- Multi-Channels Scanner T1→ T2→T1-T2
- MAX/MIN/Relative Reading/Data Hold
- Touch-tone button easy to operate



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روبروی پالایشگاه نفت پارس، پلاک ۱۲

TES-1306 K/J Thermometer

Features:

- K/J Type thermocouple input
- Auto ranging
- Data Hold
- Maximum / Minimum reading
- Relative reading
- Multi-channels scanner (T1 → T2 → T1-T2)

Specification

Measuring Range	Type K : -200°C to 1370°C (-328°F to 1999°F) Type J : -200°C to 760°C (-328°F to 1400°F)
Accuracy	(-200°C ~ 0°C) (±0.2%rdg+ 1°C) (-328°F ~ 32°F) (±0.2%rdg+ 2°F) (0°C ~ 200°C) (±0.1%rdg+0.8°C) (32°F ~ 392°F) (±0.1%rdg+1.6°F) (200°C ~ 1370°C) (±0.2%rdg+ 2°C) (392°F ~ 2498°F) (±0.2%rdg+ 3°F)
Resolution	-200°C ~ 200°C (0.1°C) 200°C ~ 1370°C (1°C) -328°F ~ 392°F (0.2°F) 392°F ~ 2498°F (2°F)
Input Protection	60VDC/24Vrms
Power Source	One 9V battery. 006p or NEDA1604 or IEC6F22
Battery Life	Approx. 100hr
Operating / Storage Condition	0°C to 40°C (32°F to 104°F) below 80% RH. -10°C to 60°C (14°F to 140°F) below 70% RH.
Dimensions	135(L) × 72(W) × 31(H)mm
Weight	Approx. 235g with battery

Optional Temperature Probes K(CA) Type Thermocouple

Model	Testing Range	Description
TP-K01 Bead	-50°C-200°C/-58°F-392°F	for general condition, especially for complex and place hard to reach.
TP-K02 Immersion	-50°C-1000°C/-58°F-1832°F	for temperature measurement of liuqid or gels.
TP-K03 Surface	-50°C-750°C/-58°F-1382°F	for surface measurement.



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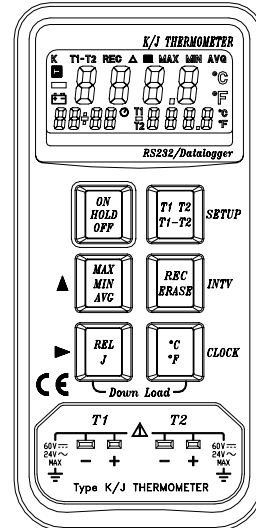
TES-1307 Datalogging K/ J THERMOMETER

- Affordable Cost & Compact size
- K / J type thermocouple (2 inputs)
- Tripple LCD display (T1 / T2 / clock)
- ~~Auto~~ Datalogging Capacity (RS-232)
- MAX / MIN / AVE / Rel. Reading



FEATURES :

- K/J Type thermocouple input
- Auto ranging
- Dual display LCD
- 8000 Record Data logging Capacity
- Maximum / Minimum / Average reading
- Relative reading
- RS-232 interface (software include)



Measuring Range	Type K : -190 to 1333 (-310 to 2431) Type T : -190 to 760 (-310 to 1400)
Accuracy	(-190 -0) (±0.5%rdg + 0.7) (-310 -0) (±0.5%rdg + 1.4) (0 1000) (±0.1%rdg + 0.5) (0 1000) (±0.1%rdg + 1.0) (1000 1333) (±0.2%rdg + 1) (1000 2431) (±0.2%rdg + 2)
Resolution	-190 999 (0.1) 1000 1333 (1) -310 999 (0.1) 1000 2431 (1)
Input Protection	60VDC/24Vrms
Power Source	One 9V battery. 006p or NEDA1604 or IEC6F22
Battery Life	Approx. 50hr
Operating / Storage Condition	0 to 40 (32 to 104) below 80 % RH. -10 to 60 (14 to 140) below 70 % RH.
Dimensions	135(L)×72(W)×31(H)mm
Weight	Approx. 235g with battery
Accessories	Instruction manual, Battery, Carry case, Software, RS-232 cable, 9 Pin to 25 Pin gender changer.

OPTIONAL TEMPERATURE PROBES K(CA) TYPE THERMOCOUPLE

Model	Testing Range	Description
TP-K01 Bead	-50 -200 /-58 -392	for general condition, especially for complex and place hard to reach.
TP-K02 Immersion	-50 -1000 /-58 -1832	for temperature measurement of liuqid or gels.
TP-K03 Surface	-50 -750 /-58 -1382	for surface measurement.

TES-1313/1314 K.J.E.T.R.S.N. Thermometer

- 0.05% accuracy
- 4 1/2 dgts high accuracy thermometer with K.J.E.T.R.S.N. thermocouple input
- High / Low alarm setting
- MAX / MIN reading with Time indication
- MAX / MIN / AVG / Data Hold function
- Single Channels (1313) / Dual (1314) Channels
- Back-light LCD display



TES-1313/1314 K.J.E.T.R.S.N. Thermometer

FEATURES :

- Highly accurate thermometer with thermocouple K, J, E, T, R, S, N type.
- Dual input function T1/T2 temperature display. (1314)
- Warning beeper with HI/LO setting.
- MAX/MIN with TIME, MAX-MIN AVG, HOLD function.
- °C / °F / K User-Selective.
- Back-Light LCD display.

SPECIFICATIONS :

Measuring Range	K-Type : -200°C to +1372°C (-328°F to +2501°F) J-Type : -210°C to +1200°C (-346°F to +2192°F) E-Type : -150°C to +1000°C (-238°F to +1832°F) T-Type : -250°C to +400°C (-418°F to +752°F) R-and S-Type : 0°C to +1767°C (+32°F to +3212°F) N-Type : -200°C to +1300°C (-328°F to +2372°F)
Display Resolution	0.1°C /°F /K < 2000° 1.0°C /°F /K 2000°
Measurement Accuracy (According to ITS-90)	K, J, E, T, and N-Type : ± [0.05% of reading +0.3°C (0.6°F)] [below -100°C (-148°F) : add 0.15 % of reading for K-, J-, E-, and N-Type ; and 0.45% of reading for T-Type] R-and S-Type : ± [0.05% of reading + 0.4°C (0.8°F)]
Temperature Coefficient	0.01% of reading + 0.03°C per °C (0.05 °F per °F) outside the specified +18°C to 28°C (+64°F to +82°F) range [LCD ranging : below -100°C (-148°F) : add 0.04% of reading for K-, J-, E, and N-Type; and 0.08% of reading for T-Type]
Maximum Differential Common Mode Voltage	1V (Maximum voltage difference between T1 and T2)
Input Protection	30V maximum input voltage on any Combination of input Connector
Sampling Rate	1 time/sec
Operating / Storage Conditions	0°C ~ 40°C < 80% RH -10°C ~ 60°C < 70% RH
Power Source	6 pcs size AAA Battery
Battery Life	Approx. 300hours. (not including backlight and beeper)
Size	152(L) x 72(W) x 37(H)mm
Weight	Approx. 300g
Accessories	Instruction manual, Battery



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TES-1317/1318 Platinum RTD Thermometer

- 0.05% accuracy
- 4 1/2 dgts high accuracy thermometer with platinum RTD input (PT-3916/3926/385)
- 7500 Datalogging Capacity. (1317) (Direct reading from LCD display or later P.C. download)
- High / Low alarm setting
- Time indication for MAX / MIN reading
- MAX / MIN / AVG / Data Hold function
- Back-light LCD display
- Single channels (1317) & Dual channels (1318)



TES-1317/1318 Platinum RTD Thermometer

FEATURES :

- Pt 3916/3926/385 RTD standard.
- 7500 DataLogging capacity. (1317)
- Warning beeper with HI/LO setting.
- Time setting.
- MAX / MIN with TIME, MAX-MIN AVG Hold function.
- °C / °F / K User-Selective.
- Back - Light LCD display.
- Dual input function T1/T2 temperature display. (1318)

SPECIFICATIONS :

Measuring Range	-200~800°C (-328~1472°F)
Resolution	0.1°C / 0.1°F / 0.1K
Accuracy	± (0.05%rdg+0.2°C) ± (0.05%rdg+0.4°F)
Datalogger (1317)	7500 reading
Temperature Coefficient	Less that 0.1 times the applicable accuracy specification per °C (°F)
Sampling Rate	1 time/sec
Operating / Storage Conditions	0°C ~ 40°C < 80% RH -10°C ~ 60°C < 70% RH
Power Source	6 pcs size AAA Battery
Battery Life	Approx. 300hours. (not including backlight and beeper)
Size	152(L) x 72(W) x 37(H)mm
Weight	Approx. 300g
Accessories	1. Instruction manual, Battery, RTD plug. 2. Software for WINDOWS™, RS-232 Cable, 9 pin to 25 pin Gender changer. (1317)



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1317/1317R Platinum RTD Thermometer

FEATURES:

- Pt 3916/3926/385 RTD standard.
- 7500 DataLogging capacity. (1317R)
- Warning beeper with HI/LO setting.
- Time setting.
- MAX / MIN with TIME, MAX-MIN AVG Hold function.
- °C / / K User-Selective.
- Back - Light LCD display.



SPECIFICATIONS:

Measuring Range	-200 to +800 (-328 to +1472)
Resolution	0.1 / 0.1 / 0.1K
Accuracy	±(0.05%rdg+0.2) ±(0.05%rdg+0.4)
Datalogger (1317R)	7500 reading
Temperature Coefficient	Less that 0.1 times the applicable accuracy specification per ()
Sampling Rate	1 time/sec
Operating/ Storage Conditions	0 ~ 40 < 80% RH , -10 ~ 60 < 70%RH
Power Source	6 pcs size AAA Battery
Battery Life	Approx. 300hours. (not including backlight and beeper)
Size	152(L)×72(W)×37(H)mm
Weight	Approx. 300g
Accessories	1. Instruction manual, Battery, RTD plug. 2. Software for WINDOWS™, RS-232 Cable, 9 pin to 25 pin Gender changer. (1317R)

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1384 4 Channels Thermometer / Datalogger

- 0.05% Accuracy
- K, J, E, T, R, S, N, L, U, B, C Thermocouple Input
- Display T1, T2, T3 & T4 Simultaneously
- Programmable Hi-Lo alarm for 4 inputs
- MAX, MIN, Max-Min & AVG values
- Data Memory (99 sets) / Datalogging Capacity
- Software with USB cable

Panel	
T1	T2
K 138.4	J 37.5
T3	T4
E 121.3	T 212.4
No 99 M m:s 13:42 USB	



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روبروی پالایشگاه نفت پارس، پلاک ۱۲

1384 4 Channel Thermometer / Datalogger

FEATURES :

- Isolated Input Protection of 350Vp-p between any two inputs.
- Highly accurate thermometer with thermocouple K, J, E, T, R, S, N, L, U, B, C types.
- 4 input function T1/T2/T3/T4 temperature display.
- Programmable Hi – Lo alarm for 4 inputs.
- Display of MAX, MIN, MAX–MIN and AVG values of 4 inputs.
- Independent Input Setup (type of thermocouple, Hi – Lo alarm values).
- Memory and Read function (99 sets)
- 512KB auto datalogging capacity.
- USB interface.

SPECIFICATIONS:

0.1°C, 0.1°F Resolution, Accuracy is of reading.

Type	°C		°F	
	Range	Accuracy	Range	Accuracy
K	-200 ~ -100	±2.0°C	-328 ~ -148	±3.6°F
	-100 ~ 1370	±0.05% ±1.0°C	-148 ~ 2498	±0.05% ±1.8°F
J	-200 ~ -100	±2.5°C	-328 ~ -148	±4.5°F
	-100 ~ 100	±1.5°C	-148 ~ 212	±2.7°F
	100 ~ 1000	±0.05% ±1.0°C	212 ~ 1832	±0.05% ±1.8°F
E	-150 ~ -100	±2.0°C	-238 ~ -148	±3.6°F
	-100 ~ 760	±0.05% ±1.0°C	-148 ~ 1400	±0.05% ±1.8°F
T	-200 ~ -100	±1.5°C	-328 ~ -148	±2.7°F
	-100 ~ 400	±0.1% ±0.5°C	-148 ~ 752	±0.1% ±0.9°F
R/S	0 ~ 100	±5.0°C	32 ~ 212	±9.0°F
	100 ~ 300	±3.0°C	212 ~ 572	±5.4°F
	300 ~ 1600	±0.05% ±2.0°C	572 ~ 2912	±0.05% ±3.6°F
N	0 ~ 1300	±0.1% ±1.0°C	32 ~ 2372	±0.1% ±1.8°F
L	-200 ~ 900	±0.1% ±1.0°C	-328 ~ 1652	±0.1% ±1.8°F
U	0 ~ 600	±0.1% ±1.0°C	32 ~ 1112	±0.1% ±1.8°F
B	600 ~ 1820	±0.05% ±2.0°C	1112 ~ 3308	±0.05% ±3.6°F
C	0 ~ 2310	±0.1% ±1.5°C	32 ~ 4190	±0.1% ±2.7°F

Temperature Coefficient	0.01% of reading + 0.1°C per °C (0.2°F per °F) outside the specified +18°C to 28°C (+64°F to +82°F) range
Isolated Input Protection between any two inputs	350Vp-p
Sampling Rate	1.5 time/sec
Operating / Storage Conditions	0°C ~ 50°C < 80% RH , -10°C ~ 60°C < 70%RH
Power Source	6 pcs size AA Battery
Battery Life	Approx. 50 hours.
Size	187(L) × 73(W) × 53(H)
Weight	Approx. 320g with batteries
Accessories	Instruction manual x 1, Battery x 6, USB cable x 1, Software CD x 1, Carrying case x 1, K-type thermocouples (1M x 2, 3M x 1, 5M x 1).