

DIGITAL THERMOMETER

305P/ Digital Thermometer

SPECIFICATIONS

ELECTRICAL

Temperature Scale:

Celsius or Fahrenheit user-selectable

Measurement Range:

-50°C to 1300°C, (-58°F to 2000°F)

Resolution: 1°C or 1°F, 0.1°C or 0.1°F

Accuracy:

Accuracy is specified for operating temperatures over the range of 18°C to 28°C (64°F to 82°F), for 1 year, not including thermocouple error.

±(2°C) -50°C to 0°C

±(0.3% rdg + 1°C) 0°C to 600°C

±(0.5% rdg + 1°C) 600°C to 1300°C

±(4°F) -58°F to 32°F

±(0.3% rdg + 2°F) 32°F to 1100°F

±(0.5% rdg + 2°F) 1100°F to 2000°F

Temperature Coefficient:

0.1x(specified accuracy) per °C . (0°C to 18°C , 28°C to 50°C).

Input Protection:

60V dc or 24V rms ac maximum input voltage on any combination of input pins.

Reading Rate:

2.5 times per second.

Input Connector:

Accepts standard miniature thermocouple connectors (flat blades spaced 7.9mm , center to center) .

ENVIRONMENTAL

Ambient Operation Range:

0°C to 50°C, (32°F to 122°F)

Storage Temperature:

-20°C to 60°C, (-4°F to 140°F)

Relative Humidity:

0% to 80% (0°C to 35°C) (32°F to 95°F)

0% to 70% (35°C to 50°C) (95°F to 122°F)

GENERAL

Display:

3½ digit liquid crystal display (LCD) with maximum reading of 1999

Battery:

Standard 9V battery (NEDA 1604, IEC 6F22)

Battery Life:

100 hours typical with carbon zinc battery

200 hours typical with alkaline battery

Dimensions: 184mm (H) x 62mm (W) x 35mm (D)

Weight: 10.6oz (300g) including holster

Supplied Probe:

4-foot type "K" thermocouple bead probe (teflon tape insulated). Maximum insulation temperature 260°C (500°F). Probe accuracy ±2.2°C or ±0.75% of reading (whichever is greater) from 0° to 800°C.



307P/ Digital Thermometer

SPECIFICATIONS

ELECTRICAL

Temperature Scale:

Celsius or Fahrenheit user-selectable

Measurement Range:

-50°C to 1300°C, (-58°F to 2000°F)

Resolution: 1°C or 1°F, 0.1°C or 0.1°F

Accuracy:

Accuracy is specified for operating temperatures over the range of 18°C to 28°C (64°F to 82°F), for 1 year, not including thermocouple error.

±(2°C) -50°C to 0°C

±(0.3% rdg + 1°C) 0°C to 600°C

±(0.5% rdg + 1°C) 600°C to 1300°C

±(4°F) -58°F to 32°F

±(0.3% rdg + 2°F) 32°F to 1100°F

±(0.5% rdg + 2°F) 1100°F to 2000°F

Temperature Coefficient:

0.1x(specified accuracy) per °C . (0°C to 18°C , 28°C to 50°C).

Input Protection:

60V dc or 24V rms ac maximum input voltage on any combination of input pins.

Reading Rate:

2.5 times per second.

Input Connector:

Accepts standard miniature thermocouple connectors (flat blades spaced 7.9mm , center to center) .

ENVIRONMENTAL

Ambient Operation Range:

0°C to 50°C, (32°F to 122°F)

Storage Temperature:

-20°C to 60°C, (-4°F to 140°F)

Relative Humidity:

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0% to 70% (35°C to 50°C) (95°F to 122°F)

GENERAL

Display:

3½ digit liquid crystal display (LCD) with maximum reading of 1999

Battery:

Standard 9V battery (NEDA 1604, IEC 6F22)

Battery Life:

100 hours typical with carbon zinc battery

200 hours typical with alkaline battery

Dimensions: 184mm (H) x 62mm (W) x 35mm (D)

Weight: 10.6oz (300g) including holster

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4-foot type "K" thermocouple bead probe (teflon tape insulated). Maximum insulation temperature 260°C (500°F). Probe accuracy ±2.2°C or ±0.75% of reading (whichever is greater) from 0° to 800°C.



DIGITAL THERMOMETER

YC-6X MINI THERMOMETER SERIES MULTI FUNCTION K/J/T/E/R/S/N Types

FEATURES :

- 5 Digital Display.
- Highly accuracy, Fast respond .
- Resolution 0.1, Dual Display.
- Function: MAX,MIN,HOLD,REL,TIME
TYPE,SET,LIMIT,Hi.Lo,T1,T2,T1-T2,
°C,°F,K,
- Auto power off/on, Low battery indicator.
- RS-232 interface with window software.
- CE-Mark approval. Conform to ITS-90 .
- T1,T2 Can exchange display & isolated setting thermocouple types.

SPECIFICATIONS :

Measurement range:TC	K Type: -200°C ~1372°C(-328°F~2501°F) J Type: -210°C ~ 1200°C(-346°F~2192°F) T Type: -250°C ~400°C(-418°F ~ 752°F) E Type: -210°C ~ 1000°C(-346°F ~ 1832°F) R&S Type: 0°C ~ 1767°C(32°F ~ 3212°F) N Type: -150°C ~ 1300°C(-238°F ~ 2372°F)
Accuracy:	±0.05% Reading+0.7°C (±0.05%Reading+1.4°F)
Operation temperature and humidity:	0°C ~ 50°C (32°F ~ 122°F): 0 ~ 80%RH
Storage temperature and humidity:	0°C ~ 50°C (32°F ~ 122°F): 0 ~ 80%RH
Power requirement:	9 Volt Battery, NEAD 1604 or JIS 006P,IEC 6F22
Input protection at thermocouple input:	AC/DC 24Vrms.
Dimension:	130mm(L)x 56mm(W)x 38mm(H).
Weight:	Approx.180g



YC-7XXD SERIES K/J/E/T/R/S/N TYPES DATA LOGGER THERMOMETER

FEATURES:

- Tetrad Displays. Back Light.
- Resolution 0.1°C/0.1°F, 1°C/1°F.
- Function:°C/°F/K,MAX,MIN,AVG,HOLD,REL,LIMIT,Hi/Lo,
TYPE,COUNT,TIME,CLOCK,CHANNEL,T1-T2,
T3-T4,BACK LIGHT,RS-232,REC,CALL.
- Auto power off/on, Low Battery indication.
- RS-232 interface with window software.
- 10000 Records Data Logger.
- CALL-Fit to quick read memory data.(50 page/sec)
- With a perpetual calendar function.
- CE-Mark approval. Conform to ITS-90.
- Battery Life : 1000/hr



DIGITAL THERMOMETER

THERMOMETER (IR + Pt 100 ohm + Type K/J/R/E/T), 3 in 1 ,Model : TM-2000

FEATURES	
* 3 in 1, Infrared thermometer + Pt 100 ohm + Thermocouple (Type K/J/R/E/T), intelligent.	* Infrared thermometer, non-contact temperature measurement, -20 °C to 400 °C (-4 °F to 752 °F), useful for none contact temperature measurement.
* The best professional thermometer in the world.	* Emissivity adjustment for IR thermometer.
* Microcomputer circuit with high performance.	* Laser guide for IR thermometer (TM-2000 only).
* Wide measuring range from -200 °C to 1700 °C.	* PT 100 probe input cooperate with an 0.00385 alpha coefficient, meet DIN IEC 751.
* Patent pending.	* Cooperate with 4 wires Pt-100 ohm probe, high precision.
* Build in °C & °F select button on the front panel.	* Thermocouple probe accept 5 different types : type K, type J, type R, type T, type E.
* 0.1 degree resolution for Pt 100 ohm & type K/J/T/E.	* RS 232 data output, easy cooperate with computer.
* Data hold function for stored the desired value on display.	* Optional data acquisition software for data record.
* Memory function to record the maximum & minimum reading with recall.	* Auto power shut off saves battery life.
* Build the REL. button, useful for relative measurement.	* Built-in low battery indicator.
* LCD display with back light	* Heavy duty & compact housing case with stand.
* Sensor select button on the front panel, easy to change different type probe.	

GENERAL SPECIFICATIONS			
Display	51 mm x 32 mm supper large LCD display, 15 mm (0.6") digit size.	Probe input socket	Pt 100 ohm probe : DIN 4 pin socket. Thermocouple couple probe : Standard 2 pin type K socket.
Probe type	1. Infrared thermometer (Non contact temperature measurement) 2. Platinum PT 100 ohm (0.00385 alpha coefficient, meet DIN IEC 751) 3. Thermocouple probe @ Thermocouple type K. @ Thermocouple type J. @ Thermocouple type R. @ Thermocouple type T. @ Thermocouple type E.	Sampling Time	Approx. 1 second.
Functions	°C, °F, Data hold, Memory (max., min.), Relative measurement. LCD back light. Emissivity adjustment (IR thermometer)	Hold Function	To freeze the display reading value.
Resolution	0.1 degree or 1 degree.	Memory Recall	Memorize the Maximum, Minimum reading with recall.
Laser guide	Red laser light, less than 1 mW. (TM-2000 only).	Over Indication	Show " - - - ".
		Data Output	RS232 PC serial interface.
		Power Supply	Heavy duty or Alkaline type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.
		Power Consumption	Approx. DC 9.5 mA (w/o laser light on).
		Operating Temperature	0 to 50 °C (32 to 122 °F).
		Operating Humidity	Less than 80% RH.
		Size	HWD 200x68x30 mm (7.9x2.7x1.2 inch).
		Weight	220 g/0.48 L.B.
		Standard Accessory	Operational manual..... 1 PC.



3 in 1



CENTER 304/309 Four Channels Thermometer

309 DATALOGGER

304 K TYPE



LED Back Light



In some applications, the temperature is concerned at more than two points. This is why we provide the four channel model thermometer 304 and 309. The operation interface is intuitive and all the temperature data are shown on the LCD at the same time so that no extra step for the user to get the reading.

FEATURES:

- Auto Range
- Four Channel Input
- Four Channel Display
- Wide Measuring Range (304)
- With Window Software (309)
- RS-232 Interface
- 16,000 Records Data Logger each channel (309)
- Resolution 0.1°C, 0.1°F



SPECIFICATIONS

Range	K type: -200 ~ 1370°C; -328 ~ 2498°F
Accuracy	±0.3% + 1°C, ±0.3% + 2°F
Resolution	0.1°C; 0.1°F
Input Protection	60V DC or 24Vrms AC Maximum
Operation Temp	0°C ~ 50°C (< 80%RH)
Storage Temp	-20°C ~ 60°C (< 70%RH)
Battery	9V battery
Dimensions	184x64x30 mm
Weight	Approx. 220g

STANDARD ACCESSORIES

Model	Battery	Operation Manual	Carrying Case	Temperature Probe	RS-232 Cable	Software
CENTER304	●	●	●	TP-K01 X 2PCS	Option	Option
CENTER309	●	●	●	TP-K01 X 2PCS	●	●

DIGITAL THERMOMETER

PRECISION 0.01 degree

THERMOMETER

Modil : TM-917, RS-232

- PT 100 ohm + thermocouple type K.J.R.E.T.
- Max. measurement ange 1370 °c (type k).
- 0.01 .01 resolution, Memory (Max..Min..).
- professional thermometer with high accyrcacy.
- Size : 220 X 68 X 30 mm.

PT 100 ohm TEMP. PROBE

MODEL : TP-100, TP-100A



(optional)

CENTER 500 Temperature Graphic Recorder

FEATURES:

- Build in thermal printer for text and graphic printout.
- Dual 5 digits big font LCD display to provide simultaneous readout of T1 and T2.
- The easy access menu buttons and text area in the LCD display provide a simple and intuitively hierarchical menu operation for system setup.
- Button group for thermometer provides the direct access of the most commonly used functions for temperature measurement.
- Button group for printer provides the direct access of most commonly used functions for printer control.
- Photo coupler isolated RS-232 port provides the direct connection of data flow to a personal computer with the Window based software.
- Dual inputs thermal couple connector provides two inputs for K and J type temperature sensors.

SPECIFICATIONS

Model	CENTER 500 Temperature RECORDER
Range	K Type: -200 ~ 1370°C (-328 ~ 2498°F) J Type: -200 ~ 760°C (-328 ~ 1400°F)
Accuracy	-200 ~ 1370°C...±0.1%rdg+0.6°C -328 ~ 2498°F...±0.1%rdg+1.6°F
Resolution	0.1°C/0.1°F
Memory	32,000 Records
Input Protection	60V DC or 24Vrms Maximum
Operation Temp	0°C ~ 50°C
Storage Temp	-20°C ~ 60°C
Power Supply	Approx. 100Hours
Battery Life	1.5V size AA alkaline batteries x 6
Dimensions	242(L)×98(W)×42(H)mm
Weight	Approx. 580g

