

# DIGITAL THERMOMETER / Calibrator / Logger



## K/type DIGITAL THERMOMETER

- 3 1/2 digit liquid crystal display (LCD) with 0.1° high resolution
- Handheld lightweight design, with Offset adjust, Data hold, MAX hold
- 305: Single Thermocouple Input
- 307: Dual Thermocouple with differential temperature (T1-T2)  
°C or °F switchable on front panel, Front panel Offset adjustment
- Measuring range: -50 ~ 1300°C or -58 ~ 1999°F
- Accuracy: For operating temperatures over the range 18°C to 28°C for 1 year, not including thermocouple error.  
± (0.3% rdg + 1°C) -50°C to 100°C  
± (0.5% rdg + 1°C) 100°C to 1300°C  
± (0.3% rdg + 2°F) -58°F to 1999°F
- Battery: one 9V battery (NEDA 1604), 200 hours typical with carbon zinc battery
- Dimensions(mm) : 147(H) x 70 (W) x 39 (D), weight 7.4oz (210g)

## K/J - Type Dual Input Thermometer

Model: 502 (Dual), 503 (Single)

Features:

- 4 3/4 digital 25000 counts with dual display
- K/J types thermocouple selection input
- MAX/MIN with elapsed time, Average, REL, HOLD function
- RECALL function (Model: 503)
- High accurate with 0.1%
- With Hi/Lo setting (Model: 502), Hi/Lo RECALL (Model: 503)
- °C / °F user-selective
- TIME setting, REL setting

## RTD Single /Dual Input Thermometer

Model: 504 (Dual), 505 (Single)

- 4 1/2 digital 20000 counts with dual display
- Pt3926/Pt385 RTD standard
- MAX/MIN with elapsed time, Average, REL, HOLD function
- RECORD function, TIME setting, beeper with Hi/Lo setting

## K/J/T/E - Type Dual Input & Output Thermometer & Calibrator

Model: 513

Features:

- 3 1/2 digital with high resolution
- Display back-light feature
- K/J/T/E-types thermocouple selection
- Dual Input & HOLD function
- High accurate with 0.1%
- Auto range 0.1 / 1°
- °C / °F user-selective
- Auto power off function

Application:

Greenhouse, Weather monitoring, Labs, Workshops...



## mA Loop Calibrator

Model: PROVA-100

- 4~20mA (1KW load, 24V Loop Supply)
- 0~24V output
- Auto Step and Autoramp functions
- 0~20mA, 0~24mA selectable
- 0~100% Input, step up and down
- beeper warning when output is open

| Range    | Resolution | Accuracy     |
|----------|------------|--------------|
| 0-4mA    | 1mA        | ±0.025%±10mA |
| 4-20mA   | 1mA        | ±0.025%±5mA  |
| 20-24mA  | 1mA        | ±0.025%±5mA  |
| 0-4VDC   | 1mV        | ±0.05%±10mV  |
| 4-20VDC  | 1mV        | ±0.05%±5mV   |
| 20-24VDC | 1mV        | ±0.05%±5mV   |

## Multifunction Calibrator

Model: PROVA-123

- 4~20mA (1KW load, 24V Loop Supply)
- 0~100.00mV, 0~1.0000V, 0~10.00V
- K, J, E, T Thermocouples (°C & °F)
- Frequency 1-62.5K Hz
- 0.025% Basic accuracy
- Easy Step & Auto Ramp Functions
- 0~20mA, 0~24mA selectable
- 0~100% Input (mA, mV, V)
- Beeper warning when output is open (mA) or short (mV, V)

| Range                 | Resolution                           | Accuracy     |
|-----------------------|--------------------------------------|--------------|
| 0-4mA, 0-20mA, 0-24mA | 1mA                                  | ±0.025%±3mA  |
| 0-100.00mV            | 10mV                                 | ±0.05%±30mV  |
| 0-10.000V             | 1mV                                  | ±0.05%±3mV   |
| 0-1.0000V             | 100mV                                | ±0.05%±300mV |
| 1-125Hz               | 1Hz                                  | ±0.04Hz      |
| 126-62.5Khz           | 604 Selectable Frequencies           |              |
| Thermocouple K/J/E/T  | (1°C, 1°F Resolution, 1KΩ load Min.) |              |



## Thermocouple Calibrator

Model: PROVA-125

- 11 Types of Thermocouples and mV
- °C, °F Selectable with 0.1°C, 0.1°F resolution
- Internal and external temperature reference
- DT input, DT increment and DT decrement
- Ideal for: R & D Laboratory, Production Lin, Calibration
- Easy just-type-in number operation
- Display: 4 + 5 Digits

(0.1°C, 0.1°F Resolution, 100Ω Output Impedance.)

| Type | Range(°C)     | Range(°F) | Typical Accuracy |
|------|---------------|-----------|------------------|
| K    | -200-1370     | -328-2498 | ±0.4°C / ±0.7°F  |
| J    | -200-1050     | -328-1922 | ±0.4°C / ±0.7°F  |
| E    | -150-800      | -328-1472 | ±0.4°C / ±0.7°F  |
| T    | -200-400      | -328-752  | ±0.4°C / ±0.7°F  |
| R    | 0-1760        | 32-3200   | ±0.5°C / ±0.9°F  |
| S    | 0-1760        | 32-3200   | ±0.4°C / ±0.7°F  |
| N    | -200-1360     | -328-3272 | ±0.4°C / ±0.7°F  |
| L    | -200-900      | -328-1652 | ±0.4°C / ±0.7°F  |
| U    | -200-600      | -328-1112 | ±0.4°C / ±0.7°F  |
| B    | 600-1820      | 1112-3308 | ±0.5°C / ±1.0°F  |
| C    | 0-2310        | 32-4190   | ±0.5°C / ±0.9°F  |
| mV   | -9.999 ~ 60mV |           | 10mV             |

## Temperature Datalogger

Model: PROVA-69



- -40 to 85°C (-40 to 185°F)
- Real time clock/calender
- Typical accuracy 1°C (1.8°F)
- 2048 records (34 hours to 1 year)
- Recorded Time-Stamps
- Programmable Hi-Lo limits
- Security features to prevent man-made false data

