

# Multitype Thermometer and Datalogger (K/J/T/E/R/S/N Types and RTD)

## Features:

- Channel A Provides:
  - Pt3916/Pt3926/Pt385/400Ω(0 to 199.99, 200.0 to 400.0Ω) RTD(4 wires) standard with 0.01° resolution
- Multiple signal measurement: 6500 samples with real-time data
- ALM Record: 5400 samples with Start/Stop time
- Single signal measurement: 32000 records capacity
- Real time clock with calendar
- RS-232 interface with windows software
- T1, T2 Provides:
  - K/J/T/E/R/S/N-types thermocouple selection
- ADAPTER I/P: mV signals from CHY any transducer
- Each data series can be identified with programmed three-letter name
- Temperature offset adjust
- MAX, MIN, AVG, REL, HOLD function
- Warning beeper with Hi/Lo setting
- TIME setting, REL setting
- Record interval and measurement period setting
- Set-able Auto power off function
- DC ADAPTER: 12V
- 4½ digital 20000 counts with triple display
- Backlight (set-able)
- CE-Mark approval

## Applications:

- Greenhouses
- HAVC installation and Maintenance
- Office environment
- Labs
- Environmental studies
- Weather monitoring
- Food distribution
- Art galleries/Museums
- Department stores
- Hospitals and clinics
- Printing industry
- Store rooms

## Temperature:

Thermocouple	Range
K-type (0.1°C)	-200°C to 1372°C, -328°F to 2501°F
J-type (0.1°C)	-210°C to 1050°C, -346°F to 1922°F
T-type (0.1°C)	-200°C to 400°C, -328°F to 752°F
E-type (0.1°C)	-210°C to 1000°C, -346°F to 1832°F
R-type (1°C)	0°C to 1767°C, 32°F to 3212°F
S-type (1°C)	0°C to 1767°C, 32°F to 3212°F
N-type (0.1°C)	-50°C to 1300°C, -58°F to 2372°F

According to temperature standard ITS-90

Accuracy:  $\pm(0.05\%rdg + 0.3^{\circ}C)$  on  $-210^{\circ}C$  to  $1767^{\circ}C$ ,  $\pm(0.05\%rdg + 0.6^{\circ}F)$  on  $-346^{\circ}F$  to  $3212^{\circ}F$

### RTD: Pt-385(100Ω), Pt-3916(100Ω), Pt-3926(100Ω)

Range:  $-200^{\circ}C$  to  $800^{\circ}C$ ,  $-328^{\circ}F$  to  $1472^{\circ}F$

Resolution: 0.1°, 0.01°

Accuracy:  $\pm(0.05\%rdg + 0.2^{\circ}C)$  on °C range  
 $\pm(0.05\%rdg + 0.4^{\circ}F)$  on °F range

### ADAPTER I/P

Range: 200.00mV, 2000.0mV

Accuracy:  $\pm(0.1\%rdg + 10dgts)$  on 200mV range  
 $\pm(0.5\%rdg + 10dgts)$  on 2000mV range

## Model: 506A

