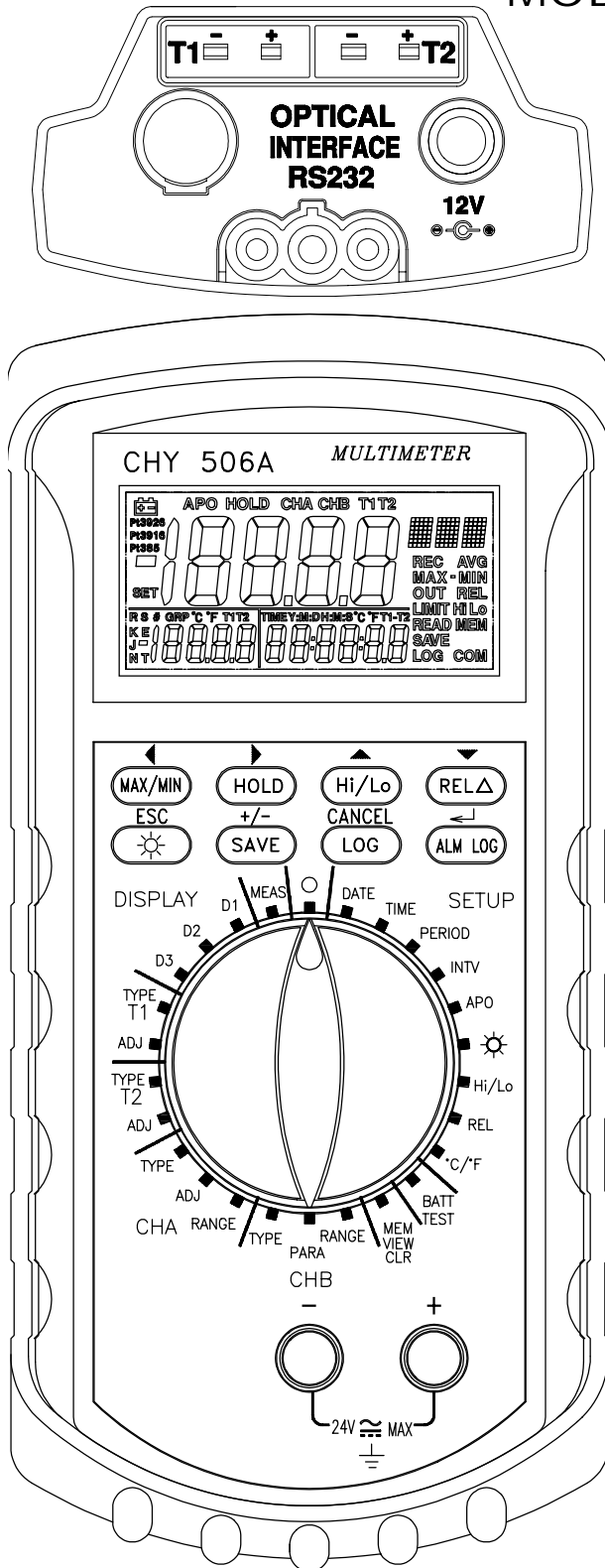


# MULTI TYPE THERMOMETER WITH DATA LOGGER (K/J/T/E/R/S/N TYPES AND RTD)

## MODEL: 506A



### FEATURES:

- 4 Channels temperature measuring:
  - T1, T2 for various thermocouples with offset adjustment.
  - Channel A for RTD.
  - Channel B for ADAPTER(mV signal from any transducer).
- Triple displays with set-able backlight:
  - MAIN for T1, T2 CH-A, CH-B.
  - With MAX, MIN, AVG, REL, HOLD function.
  - Warning beeper with Hi/Lo setting.
  - SECOND for T1, T2.
  - THIRD for T1- T2, TIME( with real time clock and calendar).
- Data logger with multi logging modes:
  - Single channel: T1, T2, CHA, CHB.
  - Multi channel: T1+T2, T1+T2+CHA, T1+T2+CHB.
- Data logger capacity and Data transfer:
  - Single channel: 32000 records.
  - Multi channel: 6500 records with read time data.
  - ALM record: 5400 records with start-stop time.
  - Data transfer via RS232 interface.
- Record interval and Measurement Period setting.
- Power:
  - Battery 9Vx1 or DC adapter 12V.
  - Set-able auto-power-off function.
- CE-Mark Approval.

### SPECIFICATIONS OF CHANNEL T1 & T2

Thermocouple	Range
K-TYPE(0.1°, 1° for above 2000°F)	-200°C to 1372°C, -328°F to 2501°F
J-TYPE(0.1°, 1° for above 2000°F)	-210°C to 1200°C, -346°F to 2192°F
T-TYPE(0.1°)	-200°C to 400°C, -328°F to 752°F
E-TYPE(0.1°)	-210°C to 1000°C, -346°F to 1832°F
R-TYPE(1°)	0°C to 1767°C, 32°F to 3212°F
S-TYPE(1°)	0°C to 1767°C, 32°F to 3212°F
N-TYPE(0.1°, 1° for above 2000°F)	-50°C to 1300°C, -58°F to 2372°F

According to temperature standard ITS-90.

#### Accuracy:

##### K/J/T/E-TYPE

- ±(0.05% rdg + 0.3°C) on -50°C to 1370°C
- ±(0.05% rdg + 0.7°C) on -50°C to -210°C
- ±(0.05% rdg + 0.6°F) on -58°F to 2501°F
- ±(0.05% rdg + 1.4°F) on -58°F to -346°F

##### N-TYPE

- ±(0.05% rdg + 0.8°C) on -50°C to 0°C
- ±(0.05% rdg + 0.4°C) on 0°C to 1300°C
- ±(0.05% rdg + 1.6°F) on -58°F to 32°F
- ±(0.05% rdg + 0.8°F) on 32°F to 2372°F

##### R/S-TYPE

- ±(0.05% rdg + 2°C) on 0°C to 1767°C
- ±(0.05% rdg + 4°F) on 32°F to 3212°F

### SPECIFICATIONS OF CHANNEL A (RTD)

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

Range: -200°C to 800°C, -328°F to 1472°F

0 to 199.99 and 200.0 to 400.0 ohm

Resolution: 0.1°, 0.01°

Accuracy: ±(0.05%rdg + 0.2°C) or (0.05%rdg + 0.4°F).

### SPECIFICATIONS OF ADPTER INPUT:

Range: 200.00mV, 2000.0mV.

Accuracy: ±(0.1%rdg + 10dpts) on 200mv range.

±(0.5%rdg + 10dpts) on 2000mV range.

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