



## Thermocouple THERMOMETER

### MINI BT-6x SERIES

Mini type BT-6x Series are the light weight thermometers featuring with the best accuracy & 5 digits display for applied in most of the thermocouple type temperature measurement in Industrial, Electrical, Environmental, Laboratory and Commercial applications.

This mini meter accepts most Type of K, J, T and E thermocouple probes and allows single or simultaneous dual-channel temperature measurements. Displays MAXimum, MINimum, °F / °C/ K scales temperature measurements, TIME & HOLD function at a touch of buttons. It also offers T1- T2, REL, SET, LIMIT HI / LO function and Auto-Power off.

Optional RS-232 interface included Window® software to download readings directly to computer for data transfer and further analysis.

#### FEATURES

- 5 Digit Display.
- Highly accuracy :  $\pm 0.05\%$  Reading +  $0.7^{\circ}\text{C}$
- 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, Low battery indicator.
- RS-232 interface with Window® software (option).
- Light Weight
- CE-Mark approval. Conform to ITS-90.



## Thermocouple THERMOMETER

### COMPACT BT-8xx SERIES

BT-8xx Series, the low cost compact size thermometers are suitable for Type K/J/T/E thermocouple temperature measurement & recording (via. RS232 & software) in the specific Industrial and Commercial applications.

The thermometer provides single or dual-channel temperature measurements featured with Dual display, and display MAXimum, MINimum, T1 – T2. It also offers selectable °C/°F, MAX, MIN, REL, LIMIT HI/LO measurement mode, HOLD function, Auto-Power Off and save up to 10 data memory (MEM). Optional RS-232 interface with Window® software for data recording and analysis in computer.

#### FEATURES

- Dual Display.
- Resolution  $0.1^{\circ}\text{C}$  /  $0.1^{\circ}\text{F}$
- Function: °C / °F, MAX, MIN, HOLD, REL, MEM, LIMIT, Hi / Lo , TYPE , T1-T2, RS232.
- MEM – to save 10 data.
- Auto Power OFF.
- Low Battery indication.
- RS-232 interface with Window® software.
- CE-Mark approval. Conform to ITS-90.



**Bontron Co., Ltd.**

5F, No. 331, Fuxing N. Rd., Taipei 105, Taiwan

Tel: 886-2-2716-0811

Fax: 886-2-2712-7883

BT200702-8000



# THERMOMETERS & DATA LOGGERS





# BONTRON THERMOMETERS & DATA LOGGERS

Bontron is dedicated to provide thermometers that deliver quality and accurate temperature measurement to meet the latest requirements of Industrial, Field & Laboratory professionals world-wide.

The Bontron Series Thermometer & Data-Logger models can accommodate a wide variety of applications such as Heating & Ventilation, Air Conditioning, Food Processing and Storage, Laboratory, School & University, Refrigerated Process & Transport, Factory Inspection, Health & Safety and Environmental Surveys.

BT & TR/TC model are compatible to a wide range of selectable thermocouples sensor probes for specific thermocouple applications. TR & RTD model are fully covered the RTD range for accurate temperature application.

A wide range of Thermocouple & RTD temperature probes are also available to meet different application needs.

## APPLICATIONS

- Aerospace
  - Agriculture
  - Air Conditioning / HVAC
  - Appliance
  - Asbestos Abatement
  - Automobile
  - Biotechnology
  - Brewing
  - Chemical Processing
  - Construction
  - Dairy / Food
  - Electrical
  - Energy Management
  - Environmental
  - Food Storage
  - Government
  - Laboratory
  - Manufacturing
- Metals
  - Mining
  - OEM
  - Petrocarbons
  - Petrochemical
  - Pharmaceutical
  - Photography
  - Plant Maintenance
  - Process Control
  - Pulp and Paper
  - Refrigeration
  - Research and Development
  - Schools / Universities
  - Semiconductor
  - Textiles
  - Utilities
  - Wastewater



## Thermocouple + RTD THERMOMETER / DATA LOGGER TR-1xxx SERIES

Bontron TR-1xxx series offer a comprehensive range of thermometers and data-loggers in thermocouple and RTD measurement for applications in Industries, Food Processing, Laboratories and Site measurements.

These precision thermometers / data-loggers combined with the most advanced function & feature of the temperature measurement in any demand. The superior handheld models support up to two channel of any type of thermocouple or any Pt specification of RTD for data logging & recording.

The advanced processor of meters enhance the features including 10000 temperature recording data for each channel, temperature offset adjust, real time clock with the unique Call-Fit data searching capability, and the Infrared and RS-232 interface or USB port with Window® software for data retrieval and/or printing in a computer. The most advance "C" model built in Save Power Mode function as the data recorder for long time review.

### FEATURES

- TC : K/J/T/E/R/S/N Types + RTD : 2W/3W/4W, Pt385 100 ~ 1K / 3916 / 3926
- 4 1/2 Digit Triplet Display, Resolution 0.1 °C / 0.01 °C, 0.1 °F / 0.01 °F.
- Function: °C / °F, MAX, MIN, HOLD, REL, ADJ, LIMIT, Hi / Lo , TYPE, TIME, START, CLOSE, T1-T2, BACKLIGHT, REC, CALL, 9 Sections of reserved records.
- 10000 Record Data Logger for each channel, Record Interval & Period setup.
- Auto / Manual Power OFF, Save Power Mode (C model).
- CALL-FIT to search memory data (50 pages/sec), Real Time Clock with Calendar.
- Temperature Offset Adjust, Warning Beeper with Hi/Lo setting.
- IR + RS-232 (or USB) interface with Window® software.
- CE-Mark approval. Conform to ITS-90.



## RTD THERMOMETER / DATA LOGGERS RTD-1xxx SERIES

RTD-1xxx series are the thermometers of high resolution and extended temperature range of Pt resistance with extensive data logging capabilities and an Infrared data transfer interface for accurate temperature measurement & monitoring application.

The RTD meter accepts one or two separate Pt temperature probes with selectable 2W, 3W or 4 Wire RTD from Pt100, Pt200, Pt500 to Pt1000 / 385 / 3916 / 3926. *All functions & features are same as the TR-1xxx series presented.*

## Thermocouple THERMOMETER / DATA LOGGERS TC-1xxx SERIES

TC-1xxx series combine the high accuracy and fast response time of the thermometers with an extensive logging feature and Infrared data transfer interface for thermocouples application.

These meters support Type K, J, T, E, R, S or N thermocouple in one or two channels. *All functions & features are same as the TR-1xxx series presented.*

## Thermocouple THERMOMETER / DATA LOGGERS BT-7xxD SERIES

BT-7xxD Series Data Loggers are the multi-channel thermometers for monitoring and documentation the fluctuations of thermocouple temperature in the fields of Production Processes, Laboratories, Engineering and After Service/Maintenance

BT-7xxD, the real time data-logger with RS-232 interface accepts up to 4 thermocouple channels with Type K, J, E, T, R, S or N thermocouples. Store log data up to 10000 sets of readings for each channel with a perpetual calendar real time function. The unique CALL-FIT function allows you to read & search the desired log data from memory by 50 pages per second speed. All the data collected by the data-logger during long-term monitoring over periods can be sent to computers for further analysis using software based on Windows®.



### FEATURES

- TC : K/J/T/E/R/S/N Types, Single to Four Channels.
- 4 Digit Quaternary Backlight Display.
- 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, BACKLIGHT, RS232, REC, CALL.
- 10000 Record Data Logger for each channel.
- Auto Power OFF, Low Battery indication.
- CALL-FIT to search memory data (50 pages/sec)
- Perpetual Calendar function.
- RS-232 interface with Window® software.
- CE-Mark approval. Conform to ITS-90.