



HEATCON

OVER
25
YEARS OF
SERVICE

DATA LOGGER

2007 SERIES



HEATCON has developed an embedded equipment with the most advanced technology for measuring, data storing and print outs of Temperature, Humidity, Voltage, Current and Pressure. This can be used in Research-Laboratories, Processing Industries, Power Plants, etc.

FEATURES

- ❖ Temperature, Volts, Amps, Humidity, Pressure can be monitored.
- ❖ Communication port provided.
- ❖ Auto and Manual selection of channels.
- ❖ Connect upto 1 to 132 channels.
- ❖ Auto switching of the LCD backlight in the programming mode.
- ❖ Connect directly to the printer using 35 pins male connector.
- ❖ + and - temperature. display and print outs as per requirements.
- ❖ Alarm can be set up to operate a relay (common).
- ❖ Hysteresis can be set to the set point.
- ❖ Printer can set off by programmed setting
- ❖ Used channels can be set so that scanning of unused channels can be eliminated.
- ❖ Channel scanning time can be set if it is used in auto mode (1 second to 60 min).
- ❖ Printer interval can be set from 5 secs to 1 hour.
- ❖ Alarm indication while data full.
- ❖ Over Temperature indication.
- ❖ Alpha -numeric LCD display.
- ❖ 3½ digit LED display for process value.
- ❖ 2 digit LED display for channel.

SPECIFICATION

Model HI-8004 - 2007 Series

Size	: 90 x 90 mm; 190 x 125 mm.
No. of channels	: 1/4/8/12/18/24 to 64/ or more
Measuring time	: 3 readings / second
Ambient temperature	: Should not exceed 70 °C (Customised)
Construction	: Panel mountable / Table Top
Open Sensor	: Indicator or open
Display	: 1) Alpha numeric display for setting program 2) 3½ digit LED display for process value. 3) 2 digit LED display for channel.
Resolution	: 0.1 °C or 1 °C
Indication accuracy	: ±0.5%
Output relay	: Single pole 1 NO/ 1NC Relay of rating 5 Amps at 230 V AC
Relay Status Indication	: Red LED on front panel glows when Relay is ON
Input power	: 230V AC ± 10% Single Phase 50 Hz or as per requirement

RANGE

- ❑ **TEMPERATURE**
-199.9°C to + 199.9°C, 0-400°C, 0-800°C, 0-1200°C, 0-1600°C, 0-1800°C
- ❑ **TYPE OF SENSOR :**
Pt 100, or thermocouple, B, R, S, E, J, K, N, T, 4-20 mA
- ❑ **HUMIDITY**
Rh range : 20% - 95%
Accuracy : ± 3%
Temperature Range : 80°C
Rh Sensor Input : 4-20 mA
- ❑ **VOLTAGE**
Range : 0 to 600 VAC
Accuracy : ±1%
Sensor : Direct
No. of channels : R Y B
- ❑ **CURRENT**
Range : 0-1000Amps
(Range can be selectable)
Accuracy : ± 1%
Input Signal : mV or 4 to 20mA.
No. of channels : R Y B
- ❑ **PRESSURE**
Range : 0-5 upto 0-1000bar
Accuracy : 0.1 or 1 bar



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