

16 Channel Data Logger



- Model no.:** Data logger - Logg. - 16
Temp. Scanner - Scan - 16
- No. Of channel:** Max.16 channels.
- Input:** Universal input type for thermocouple (J,K,R,S,T,E,B,N), RTD (PT-100), 4-20mA,0-1VDC Etc. Input to data logger can be given in any combination of input. All can be field calibrated.
- Display:** 5 Digits of 0.56" height 7 seg. display for process value display.
2 Digits of 0.56" height 7 seg. display for channel no. Display.
- L.E.D. Indication:** 32 L.E.D.s for alarm indication,AL1&AL2.
8 L.E.D.s for information like Transmit, Receive, Program, °F/¼C Group alarms(4 LEDs) output status.

Other indications:

- » Temp. sensor Break or open indication on display.
- » For 4-20mA & 0-1VDC Linear input under range & over range indication.
- » Built in temperature reading in °C or °F- User selectable.

Alarm:

- » 2 Independent set points with hysteresis individual for each channel with 4 group relay output with Programmable group no. for every individual alarm.
- » Optional individual relay output can be given for each channel with external relay module.
- » Programmable LATCH and NON-LATCH facility for common relay and LED indication.

Linearisation:

Very high accuracy 0.3% with software linearization.

Scan Rate:

Field programmable channel scan time 1 to 59 seconds for display.

Compensation:

- » Automatic Cold Junction Compensation for all thermocouples.
- » Automatic Wire Length Compensation for long wire RTD input.

Comm. with PC:

RS-232/RS-485 Serial port with MODBUS RTU PROTOCOL.

Dimensions:

(96W x 192H x 175D) mm, (192W x 96H x 175D) mm.

Cutout:

(92W x 188H) mm, (188W x 92H) mm.

Optional Features of Data Logger

Real Time Clock:

Nonvolatile memory EEPROM and battery back up for RTC (Real Time Clock).

Printout facility:

- » Along with RS-232/RS-485 Serial port with MODBUS RTU PROTOCOL. Direct Printout on 80 Column Dot Matrix Printer by 25 pin parallel port without need of computer(optional) facility can be given.
- » Field programmable print interval 5 to 9999 seconds.

Data storage:

2995 readings per channel can be stored for all 16 channels available.

Data Security:

By EEPROM (Nonvolatile), ensures data retention for 10 years.

Software:

Windows based Data Acquisition software (optional).

Application

- Pharmaceutical
- Online Recording for oven & BOD, Incubator, Humidity Chamber.
- Water pumping station, Water purification & Treatment Plant.
- Iron and Steel Industries for soaking pit oxygen plant, smelter plant.
- Chemical & petrochemical industry.