



RTD CCMS-04

SINGLE CHANNEL DATA LOGGER

RTD CCMS-04 is micro-controller based single channel data logger with battery backup. It's In-built 3.6V Li-Ion rechargeable battery with charger allows interrupt free operation. The 4½ digit LCD display with backlight gives clear indication of process value & two LED provides status & log indication. It provides real-time viewing of any process parameter and In-built USB Host Port gives flexibility for easy data retrieval through USB sticks and offers the on-site program update facility to the system. It is reliable & cost effective digital process recorder mainly used in cold chain monitoring system, pharmaceutical & industrial applications.

Key Features:

- Local data storage with 2 MB memory (60,000 samples/channel)
- Inbuilt RTC with variable logging interval
- Serial RS-232 interface for PC communication
- USB host port for easy data retrieval
- Firmware upgrade at user end through USB
- Internal 3.6V Li-Ion battery with charger for interrupt free operation
- 7 days battery backup in absence of power

Application Areas:

- Cold Storage & Freezers in Dairy & Food Industries.
- Blood Banks.
- Chemical & Cement Industries.
- HVAC
- Vaccine monitoring
- Mapping, Validation & Calibration Service.

TECHNICAL SPECIFICATIONS

RTD-CCMS - 04

Description	Single Channel Data Logger With USB Host Port
No. Of Channels	1 No.
Display	4½ Digit Seven Segment LCD Display (Max. Indication Value 19999)
Input Types (Factory Settable)	a. RTD : PT100 b. Current Inputs(DC) : 0-20 mA ,4 - 20 mA
Range	RTD : Range : -100.0°C to +100.0°C Current Input : 0 – 19999mA
Resolution	RTD : 0.1°C Current Input: 1 µAmp
Accuracy	RTD input : ± 0.5°C Current Input : 0.1%
Real Time Clock	In-built with Battery backup
Logging Modes	Continuous/ Time Based/ Value Triggered
Logging Interval	1 sec. to 1 Hr (Programmable)
Data Storage	2 MB internal memory (suitable for 60,000 samples/ channel)
USB Interface	USB Host Port – Stored available data on USB stick in .CSV format on demand
Communication Interface	RS-232 Serial Port (PC/Printer)
Supply Voltage	230V AC/50Hz
Internal Battery	Internal 3.6V Li-Ion battery with charger for interrupt free operation
Temperature	Operating : 0°C to 50°C Storage : -10°C to 50°C
Humidity (Non-Condensing)	Up to 95% RH
Enclosure & Type of Mounting	Panel Mounting Metal Enclosure with ABS front
Dimensions	92mm(W) x 92mm(H) x 80 mm(D) / For current input model : 92mm(W) x 92mm(H) x 160 mm(D)

PC Software:

Windows based PC software to:

- Download the logged data from the data logger.
- View runtime parameter values & offline graphical trends
- Generate & export reports.
- Optional 21 CFR compliant software features.



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