

DT4205: 5/10 Channel 4-20mA Transmitter Data Logger/Thermistor Data Logger

Description

The DT4205: 5/10 Channel 4-20mA Transmitter Data Logger/Thermistor Data Logger is a low-cost, battery-powered data logger, designed for reliable, unattended monitoring of up to 10 channels which may be any mix of 4-20mA sensors or thermistors.

The DT4205 is ideal for remote locations or instruments that require frequent reliable data recording and connects to most instruments with 4-20mA sensors.

Data logger setup and data collection is done using a laptop. DT Logger Host Software is also included.

The DT4205 can also be equipped with an optional radio antenna to incorporate it into an RSTAR or DT Link wireless system.

DT4205: 5/10 Channel 4-20mA Transmitter Data Logger/Thermistor Data Logger Specifications

| ITEM | SPECIFICATION |
|--------------------|---|
| Frequency Accuracy | 0.01% Full Scale |
| Resolution | 1 part in 32,000 |
| Memory Records | Up to 120,000 records including: time, 5 channels current, 5 channels thermistor |
| Power Source | Lithium \hat{C} or \hat{D} cell battery |
| Battery Life | Up to 5 years (assuming 1 hour reading frequency) / 2 memory fills depending on temperature and use |
| Communication | USB Type B connector (radio optional) |
| Dimensions | 120 x 122 x 90 mm (4.72 x 4.80 x 3.54 in.) |
| Temperature Range | -40 \hat{C} to 60 \hat{C} (-40 \hat{F} to 140 \hat{F}) |
| Enclosure | NEMA 4X (IP66) |

MEMORY SPECIFICATIONS

| ITEM | SPECIFICATION |
|-----------------------|---|
| Memory Size | 4MB |
| Data Transfer | 2,300 data points per second |
| Interval Mode | 10 seconds to 1 day |
| Variable Rate Mode | 16 user-programmable sampling rates |
| Time Format | Month / day / year Hour / minute / second |
| Memory Full Behaviour | \hat{W} rap around or \hat{f} ill & stop option |

Specifications