

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 'C' or '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°C to 60°C (-40° to 140°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 Specifications	"Wrap around" or "fill & stop" option