DT4205 Ten Channel Data Logger

DT LINK WIRELESS

rstar ARRAY RADIO SERIES

As shown above, the DT4205 can also be equipped with an optional radio antenna to incorporate it into an RSTAR or DT LINK wireless system. RST's RSTAR system uses wireless technology to provide automated data acquisition and DT LINK allows wireless collection of data logger data in hard to access areas.

The DT4205 Ten Channel 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.

It is a purpose built logger 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 the Ultra-Rugged Field PC^2 or a laptop. Multi-Channel Host Software is also included.

general specifications

DESCRIPTION	SPECIFICATION
Accuracy	0.01% Full Scale
Resolution	1 part in 32,000
Memory	Over 120,000 records including: time, 5 channels current, 5 channels thermistor
Power Source	1 'D' lithium primary battery
Battery Life	Over 5 years / 2 memory fills depending on temperature and use
Communication	USB type B connector
Dimensions	120 x 122 x 91 mm (4.7 x. 4.8 x 3.6 in.)
Temperature Range	-40°C to 60°C (-40° to 140°F)
Enclosure	NEMA 4X (IP65)

data storage specifications

DESCRIPTION	SPECIFICATION
Memory	4 MB
Data Transfer	5,000 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	"Wrap around" or "fill & stop" option

optional equipment

Communications cable

RSTAR L900 radio option

DT LINK WIRELESS option

ordering info

PART #	DESCRIPTION
DT4205	Ten Channel Data Logger
IC32000-AR2-RSTS	Ultra-Rugged Field PC^2
OPTIONAL	
RSTAR L900 - automated wireless data collection	
DT4205 DTLINK - wireless data collection	

Setup the data logger and collect data using the Ultra-Rugged Field PC^2, shown at left with DT4205 Mobile software running on-screen.

RST Instruments Ltd.
11545 Kingston St.,
Maple Ridge, BC
Canada V2X 0Z5

Telephone: 604 540 1100
Facsimile: 604 540 1005
Toll Free: 1 800 665 5599

info@rstinstruments.com

www.rstinstruments.com

applications

Ideal for applications that require reliable, unattended monitoring of up to five 4-20mA sensors or thermistors.

features

HARDWARE

Option for radio antenna for incorporation into an RST rstar wireless system for acquiring data.

Robust construction.

4MB memory.

Weather resistant NEMA 4X (IP65) enclosure.

Battery powered for remote sites.

100 year memory backup.

Compatible with most 4-20mA sensors.

-40°C to 60°C (-40°F to 140°F) operating range.

1µA resolution.

16 bit analog/digital converter.

SOFTWARE

User friendly Windows® host software included at no additional cost.

Compatible with spreadsheet and database software.

Data stores in CSV format, and opens in Microsoft® Excel.

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