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ISO 9001 CERTIFIED
QUALITY MANAGEMENT SYSTEM

DT SERIES
DATA LOGGERS

PRODUCT CATEGORY:
READOUTS + DATA LOGGERS

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

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 the an Android-enabled handheld device or a laptop. DT Logger Host Software is also included.

The DT4205 can also be upgraded with an optional radio kit and antenna (see photo) to incorporate it into an RSTAR or DT LINK wireless system (see separate brochures).

The DT4205 can also be added to an RSTAR Affinity radio network to complete backwards compatibility requirements

> APPLICATIONS

Where reliable, unattended monitoring of up to 10 sensors (which may be any mix of 4-20mA sensors and thermistors) is required.

> FEATURES

HARDWARE:

Robust construction.	4MB memory.
Battery powered (lithium 'C' or 'D' cell) for remote sites.	-40°C to 60°C (-40°F to 140°F) operating range.
Compatibility with most 4-20mA sensors.	Option for radio antenna for incorporation into an RSTAR system or DT LINK.
100 year memory backup.	Weather resistant NEMA 4X (IP66) enclosure.
1µA resolution.	16 bit analog/digital converter.

SOFTWARE:

User friendly Windows® host software included at no additional cost.	Compatible with most spreadsheet software.
Data stores in CSV format, and opens in Microsoft® Excel.	

> BENEFITS

✓	Increase Productivity	✓	Upgradable
✓	High Reliability	✓	Custom Options
✓	High Accuracy	✓	Cost Effective

rstar
ARRAY RADIO SERIES

DT LINK WIRELESS

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.
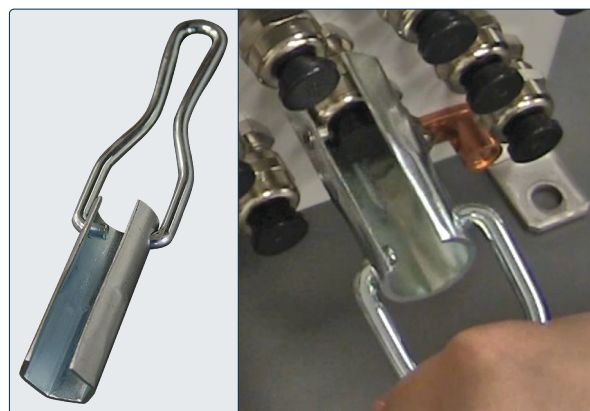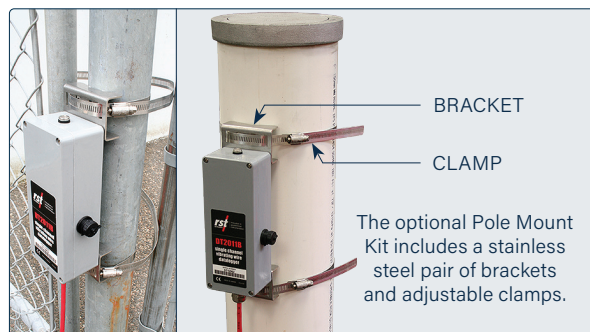
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SPECIFICATIONS + ORDERING

SPECIFICATIONS

GENERAL

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

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	"Wrap around" or "fill & stop" option

ORDERING

ITEM	PART #
DT4205: 5/10 Channel 4-20mA Transmitter Data Logger/ Thermistor Data Logger	DT4205
Cable Gland Nut Wrench	DT100
Pole Mount Kit	DT20XX-M2
DATA LOGGER SECONDARY ENCLOSURE W/ UNIVERSAL MOUNTING PLATE, MOUNTING HARDWARE, AND (1) GROUND STAKE	DATA LOGGER-SE

OPTIONS

RSTAR L900 - automated wireless data collection ANATEL
DT4205 DTLINK - wireless data collection
Communications cable

The Secondary Enclosure houses the DT4205. The enclosure uses an 11mm nut driver to secure the removable cover.
Please see separate brochure for Secondary Enclosures at www.rstinstruments.com.

BRACKET

CLAMP

The optional Pole Mount Kit includes a stainless steel pair of brackets and adjustable clamps.

The Cable Gland Nut Wrench (DT100) improves access to the glands when compared to a standard wrench.

CE