

## DT SERIES

DATA LOGGERS



DT2306 Potentiometer Data Logger



PRODUCT CATEGORY:  
READOUTS + DATA LOGGERS

# DT2306: Potentiometer Data Logger

The DT2306 Potentiometer Data Logger is a low cost, battery powered data logger, designed for reliable, unattended monitoring of up to 18 potentiometers including multi-point extensometers with potentiometer sensors.

The DT2306 Potentiometer Data Logger is ideal for remote locations or instruments that require frequent reliable data recording. The standard model comes with cable glands.

Data logger setup and data collection is done using the Ultra-Rugged Field PC2 or a laptop. DT Logger Host Software is also included. The DT2306 can also be equipped with an optional radio antenna to incorporate it into an RSTAR or DT LINK wireless system (see separate brochures).

## > APPLICATIONS

Where reliable, unattended monitoring of up to 18 potentiometers (including multi-point extensometers) is required.

## > FEATURES

### HARDWARE:

Robust construction.	4MB memory.
Battery powered for remote sites.	-40°C to 60°C (-40°F to 140°F) operating range.
100 year memory backup.	Option for radio antenna for incorporation into an RSTAR system or DT LINK.
16 bit analog/digital converter.	Weather resistant NEMA 4X (IP65) enclosure.

### 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.	



The DT2306 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.





Monitor  
with  
Confidence

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## SPECIFICATIONS + ORDERING

### SPECIFICATIONS

#### GENERAL

ITEM	SPECIFICATION
Output Units	0 - 100% of FS range
Resolution	1 part in 32,000
Memory Records	Up to 60,000 records including: time, 18 channels % of range
Power Source	Lithium compact or standard cell battery (NOTE: standard cell required for radio use)
Battery Life	Up to 4 years (non-radio or RSTAR) or 3.5 years (DT LINK) (NOTE: above specs based on 1 hour reading frequency and dependent 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 (IP65)

#### MEMORY

Memory Size	4MB
Data Transfer	4,000 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

### ORDERING

ITEM	PART #
DT2306 Potentiometer Data Logger	DT2306
Ultra-Rugged Field PC2	IC32000-AR2-RSTS
Cable Gland Nut Wrench	DT100
Pole Mount Kit	DT20XX-M2
8" Secondary Enclosure	DT2055-SE

#### OPTIONS

RSTAR L900 - automated wireless data collection
DTLINK - wireless data collection

Set up the data logger  
and collect data using  
the Ultra-Rugged  
Field PC2 with the  
included DT Logger  
Host Software.



The DT2055-SE Secondary  
Enclosure houses the  
DT2306. The enclosure  
uses an 11mm nut driver to  
secure the removable cover.



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.

