

DT2306: Potentiometer Data Logger

Description

NOTE: This is a legacy and discontinued product not available for order.

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 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.

DT2306: Potentiometer Data Logger Specifications

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 SPECIFICATIONS

ITEM	SPECIFICATION
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 Specifications	“Wrap around” or “fill & stop” option