

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 |