DT2485: DT-BUS Data Logger

Description

DT-BUS sensors/instruments can be incorporated into a wireless, or stand-alone, data collection system by using the DT2485 Data Logger. The DT2485 provides wireless transmission of data collected from the DT-BUS sensors to an RSTAR Hub in a fixed location, or to a portable hub in a DT LINK System. More information on the RSTAR and DT LINK wireless data collection options can be found by viewing their separate brochures at rstinstruments.com.

DT-BUS instruments feature a single cable running the length of an entire chain of connected sensors/instruments, which are all individually addressable. As a result, DT-BUS simplifies installation and minimizes costs by eliminating the need of a separate cable for each sensor and also reduces the amount of cable to be managed during installation. The DT2485 also supports MODBUS sensors.

DT2485: DT-BUS Data Logger Specifications

ITEM	SPECIFICATION
Memory Records	Up to 32,000 records; maximum of 56 sensors (*Note: The DT2485 has a total of 170 channels available; however, each biaxial in-place inclinometer sensor occupies 3 channels: A, B, and temperature).
Power Source	Lithium standard cell battery
Battery Life	1-2 years with 10 sensors 6-7 months with 30 sensors (NOTE: above specs based on 1 hour reading frequency and dependent on temperature and use)
Resolution	Dependent on connected sensor type
Communication	USB Type B connector (radio optional)
Dimensions	190 x 75 x 55 mm (7.48 x. 2.95 x 2.17 in.)
Temperature Range	-40°C to 60°C (-40° to 140°F)
Enclosure	NEMA 4X (IP66)

Memory Specifications

ITEM	SPECIFICATION
Memory Size	4MB
Data Transfer	4,000 data points per second
Interval Mode	Biaxial Node: 3 seconds, Uniaxial Node: 2 seconds
Variable Rate Mode	16 user programmable sampling rates

Time Format	Month / day / year Â
	Hour / minute / second
Memory Full Behaviour	â??Wrap aroundâ?• or â??fill & stopâ?• option

SPECIFICATIONS