DTSAA: DT ShapeArray

Description

The DTSAA Data Logger enables stand alone and radio-telemetry data collection of Measurand ShapeArray instruments.

ShapeArray instruments can be incorporated into a wireless, or stand alone, data collection system by using the DTSAA Data Logger. The DTSAA can read ShapeArray sensors configured in low power mode. If configured with an RSTAR radio, the data logger will transmit data to a RSTAR hub allowing automated data conversions.

DTSAA: DT ShapeArray Specifications

ITEM	SPECIFICATION
Memory Records	Up to 8,000 segment readings
Power Source	Power Source Lithium D Cell Primary Battery
Battery Life	Typically 2 years with a 100 segment ShapeArray on 1-hour reading frequency and equipped with RSTAR L900 radio. See manual for recommended battery replacement schedules. Variables include ShapeArray length, reading frequency, ambient temperature, and telemetry option.
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)
Range	Up to 14 KM (900MHz Line of Sight, see RSTAR Manual for more details)

Memory Specifications

ITEM	SPECIFICATION
Memory Size	4MB
Data Transfer	4,000 data points per second
Variable Rate Mode	16 user-programmable sampling rates
Data Format	SAASuite Compatible .dat file
Memory Full Behaviour	
Specifications	