

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

Memory Records

Power Source

Battery Life

Communication

Dimensions

Temperature Range

Enclosure

Range

SPECIFICATION

Up to 8,000 segment readings

Power Source Lithium D Cell Primary Battery

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.

USB Type B connector (radio optional)

190 x 75 x 55 mm (7.48 x 2.95 x 2.17 in.)

-40°C to 60°C (-40° to 140°F)

NEMA 4X (IP66)

Up to 14 KM (900MHz Line of Sight, see RSTAR Manual for more details)

Memory Specifications

ITEM

Memory Size

Data Transfer

Variable Rate Mode

Data Format

Memory Full Behaviour

Specifications

SPECIFICATION

4MB

4,000 data points per second

16 user-programmable sampling rates

SAASuite Compatible .dat file