Precision Liquid Settlement Array

Description

The Precision Liquid Settlement Array provides reliable, wireless, real-time remote monitoring of settlement and heave which may occur at excavation sites, tunneling projects, underground openings and related applications. It is ideal for monitoring under fills, preloads, embankments and grouting near structures. Users have real-time access through an internet connection on a PC and can also receive updates through email at chosen intervals, when used with an RST data logger.

PRECISION LIQUID SETTLEMENT ARRAY SPECIFICATIONS

ITEM SPECIFICATION

Measuring Ranges 0.6, 1.8 and 3.0 m

Maximum Error (over full temperature and pressure 1 mm - for 'SS5010' at 0.6 m range (contact RST for

range*) additional error values)

Supply Voltage 7 - 15 Volt
Temperature Range -40°C to +50°C
Mounting Plate Aluminum

Housing Plate

Housing

Pressure Lines

Digital Data Cable

Aluminum

Aluminum

XLPE/LDPE

4-wire (4 x 1 mm²)

Tubing - for liquid

Tubing - for air

12.7 O.D.; 8.6 I.D. mm

6.3 O.D.; 4.5 I.D. mm

Sensor Body Dimensions (excluding glands & tube ports) Ø 76.2 x 111 H mm

Sensor Weight 1 kg

Mounting Plate Size 38 W x 6.3 D x 229 H mm

Mounting Plate Weight 106 g

Long Term Stability ? ±0.1% FSO/year

* Sensors are calibrated over full temperature and pressure ranges for 24 hours at time of manufacturing. * Calibration results can be viewed on the calibration sheet that will ship with your system.

SPECIFICATIONS