Permeation Grout Monitor

Description

The RST Permeation Grout Monitor System provides operators and engineers near-real-time display of key grouting parameters to enhance the understanding of site conditions. It is invaluable in providing a permanent record of key grouting parameters for quality assurance, documented quantities, and pressure readings.

The data logger incorporates wi-fi that transmits data to a portable computer on which an operator can visualize displays of real-time and historical injection pressure and flows. The user-friendly software allows for displaying the trending graphs of pressure and flow, as well as other graphs associated with grouting theories and practices.

Permeation Grout Monitor Specifications

ITEM SPECIFICATION

Temperature $-20^{\circ}\text{C to }85^{\circ}\text{C }(-4^{\circ}\text{F to }185^{\circ}\text{F})$

Dissolved/Suspended Solids 0 - 40%

Accuracy $\pm 1\%$ above 1 CFS (after on-site calibration) Pressure Transducer Standard pressure of 275 psi, 0.25% FSO

Maximum PSI 275 psi

Pipe Size: 1.0" / Minimum Volumetric Range 0.782 Gal/Min / Maximum Volumetric Range 78.00 Gal/Min

Logger Specifications

ITEM SPECIFICATION

Storage 1 million readings (4 MB standard memory)

Data File Comma delimited ASCII data file for post processing in

Excel® or other 3rd party software

Pressure, Flow, Injected Volume, Site Specific

Real Time Graphical Display (English or SI Units)

Information, Apparent Lugeon, Penetrability Control,

GIN, etc.

SPECIFICATIONS