

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°C to 85°C (-4°F to 185°F)
Dissolved/Suspended Solids	0 - 40%
Accuracy	±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

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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
Real Time Graphical Display (English or SI Units)	Pressure, Flow, Injected Volume, Site Specific Information, Apparent Lugeon, Penetrability Control, GIN, etc.

SPECIFICATIONS