



Screenshot of Real-time Monitoring Software

	PRODUCT CATEGORY:
	GROUT MONITORS

Permeation Grout Monitor

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.

> APPLICATIONS

Provides a permanent record of key grouting parameters for quality assurance and to enhance near-real-time understanding of the grouting process.

Provides a permanent record of key grouting parameters for quality assurance; documented quantities, accessible in standard software such as Microsoft® Excel.

> FEATURES

Non-invasive.	Electromagnetic flowmeter.
Low maintenance diaphragm seal for analog and digital pressure gauge protection.	
No cable - wi-fi to computer base station.	Unattended automatic monitoring if desired.

> DISPLAY FEATURES

Digital flow and analog pressure on monitor.	Near-real-time computer display.
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All displays in English or SI units.

Customizable display and recording options:

Pressure.	Flow.
Injected Volume.	Site Specific Information.
Apparent Lugeon.	Penetrability Control.
GIN.	Etc.

> BENEFITS

- ✓ Increase Productivity
- ✓ High Accuracy

FLOW SPECIFICATIONS

PIPE SIZES (INCHES)	MINIMUM VOLUMETRIC RANGE (GAL/MIN)	MAXIMUM VOLUMETRIC RANGE (GAL/MIN)
1.0"	0.782	78.00
2.0"	3.122	310.0

ITEM	DESCRIPTION
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 or 720 psi, 0.25% FSO

ORDERING INFO

ITEM	MAXIMUM PSI	PART #
1.0" Permeation Grout Monitoring System	275 psi	ELGL7000
2.0" Permeation Grout Monitoring System	275 psi	ELGL7002
1.0" Permeation Grout Monitoring System	720 psi	ELGL7000-HP

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