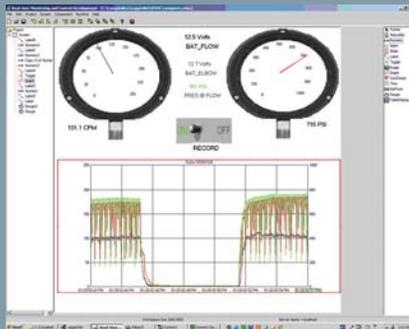




# Compaction Grout Monitor



Screenshot of Real-time Monitoring Software

The RST Compaction Grout Monitor System provides operators and engineers 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, quantity documentation, pressure and flow readings.

The RST Compaction Grout Monitor System has been developed and tested for a 2.0 in. flow tube. A short (< 50') header connection of high pressure/low dilation, wire braid reinforced hose is recommended. For low mobility/high pressure applications, wired and wireless header pressure monitoring is available.

## flow specifications

| ITEM                | SPECIFICATION                                       |
|---------------------|---|
| Flow                | 0.2 - 5.0 CFS (2.09 - 52.4 GPM)                     |
| Temperature         | -20°C to 85°C (-4°F to 185°F)                       |
| Grout Pipe Sizes    | 2.0 in.   |
| Materials           | Compaction and low mobility grouts                  |
| Accuracy            | ±2% above 0.3 CFS (after on-site calibration)       |
| Pressure Transducer | 0 - 1000 PSI<br>0.25% FSO (other options available) |
| Output              | 4 - 20 mA or 0 - 2.5 V                              |
| Connector           | 2.0" heavy duty concrete placement flange           |

## logger specifications

| ITEM          | SPECIFICATION                                       |
|---------------|---|
| Storage       | 2 MB standard memory                                |
| Data File     | Comma delimited ASCII data file for post processing |
| Batch Control | Keypad display to file                              |
| Reading Rates | 2 to 10 seconds                                     |

## ordering info

| ITEM                               | PART #   |
|------------------------------------|----------|
| Compaction Grout Monitoring System | ELGL7001 |



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## applications

Provide the operator with a real-time display of key grouting parameters to enhance the understanding of site conditions.

Provide a permanent record of key grouting parameters for quality assurance, quantity documentation, pressure and flow readings.

## features

Non-invasive

Doppler ultrasonic

## display features

Digital flow and analog pressure on monitor.

Near-real-time computer display.

Customizable display and recording options:

- Pressure
- Flow
- Injected Volume
- Site Specific Information

All displays in English or SI units.

## system features

No cable - spread spectrum 900 MHz radio to computer base station.

Unattended automatic monitoring if desired.