Pressure Systems
Hampton, VA

- 1978 NASA Spinoff
- Hampton Virginia, U.S.A. Headquarters
- Farnborough U.K. Sales & Service
- Nanjing, China Service
- ISO-9001:2000 Certified
- 140 Employees
- Division of Esterline (NYSE: ESL)
Pressure Systems Markets
-Windtunnel Testing-
ESP-64HD with DTC Technology

Calibration Manifold

Calibration Data

Silicon Sensors

Temperature Sensors
Pressure Systems Markets
- Turbine Engine Test & Measurement -
Pressure Systems Products

-NetScanner System-
NetScanner™
9116 Pressure Scanner

16-Bit A/D
32-Bit RISC Microprocessor
Ethernet Interface

Pressure Transducers
Pneumatic Calibration Valve

Esterline
Pressure Systems
Pressure Systems Markets

Water & Environmental

Precision Pressure Instrumentation

Esterline Pressure Systems
Variety of models, accuracies and pressure ranges
Series 500
SDI-12 Submersible Level Transducer

- Level Ranges up to 230 ft H₂O
- Accuracy of ±0.05% Total Error Band
- Welded 316 SS or Titanium Construction
- On-board Surge Protection
Series 550
Datalogging Level Transducer

- Store up to 600,000 Measurements
- Variety of Logging Modes
- Accuracy ±0.05% FS T.E.B.
- Level Ranges up to 692 ft $H_2O$
- 316 SS or titanium construction
- Internal battery life of 3 years
Quartzonix™
Precision Pressure Transducer

960 • ±0.01% FS Accuracy
• 105 to 3400 kPa Pressure Ranges
• Shock, Acceleration and Vibration Resistant
• Available in OEM frequency only output (960) and intelligent serial output versions (971)
Quartzonix Model 971

- Cylindrical package
- On-board microprocessor
- Engineering Unit data
- RS-485 communication

- 971 Higher Performance
  - 50 Hz EU throughput
  - 0.1 Pa Combined Resolution & Repeatability
Quartzonix Applications

- Oceanology - water level recorders & tide gauges
- High accuracy barometry for meteorology
- Pressure standards / controllers
- Electronics process applications
Collaboration Interests with VIMS

- Deployment of PSI level transducers at VIMS data stations.
- Support VIMS storm flood modeling programs with level instrumentation for model validation.
- Feedback and/or collaboration on future water quality instrumentation developments by PSI.
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