

# “Data Acquisition System for Pressure, Temperature and Bubble Count Testing”

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## Data Acquisition System

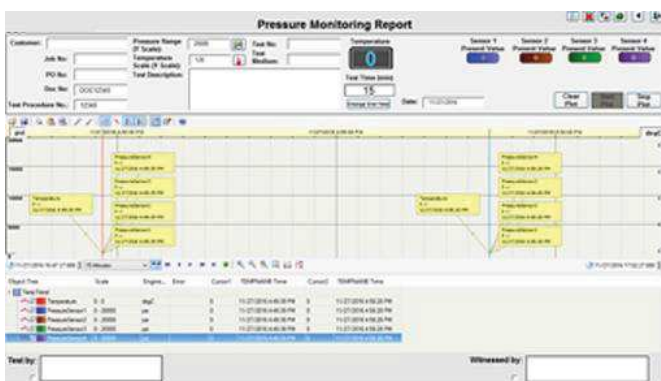
### OVERVIEW

The Data Acquisition System is a data logger with historical logging that excels in versatility and expandability. The unit includes a industrial DAQ hardware for data acquisition which is connected by Ethernet (RJ45 port). The Windows® based data acquisition software have the following functionality.

**Multichannel Measurement:** Measures up to 4 analog inputs, 1 temperature input and 1 bubble count signal.

**Historical Logging:** Data is recorded into the computer hard-disk. Customer can retrieve historical data by selecting the testing date. Data can be exported to CSV format.

**Trend Graph:** Support dual Y axes graph for pressure and temperature. Scrollable Pens to display current value and time.



**Digital Signature:** Support WACOM digital signature



pad.

**Database:** SQL database for Customer, Sensor, Test Information. Ability to track & inform (T&I) ® customer of overdue sensor which require calibration.

**Dual Screen:** Process and Trend Graph screens

**Report:** Direct generate to PDF

Input Type	Measuring Accuracy
4..20mA passive pressure transmitter	16-bits, ± 0.2% of FSR (Current) at 25°C
Thermocouple	J,K,S,T,N,PT100
Bubble Count	Sinking (NPN) sensors



Computer Requirement	
Operating System	Windows 7 or Windows 10
Processor	Minimum i5 6xxx
RAM	8GB
Hard disk	500GB