API-Cecomp Group n'fo

Technical & Application Note C162

Application: Monitor flow and pressure on DI water equipment

Type Of company: Manufacturer

Location: Arizona

Problem: The customer manufactures instruments and reagents that automate tissue processing and slide staining for cancer diagnostics. Their solutions are used in clinical histology and drug development research laboratories worldwide to reduce errors, support diagnosis and inform treatment decisions for anatomic pathology professionals. One of their new instruments requires the use of deionized water. The flow rate of the water is critical to the process. They required a digital gauge to accurately visually monitor the pressure of the water to ensure that the flow rate is within specification.

Note: for additional information on this process see http://en.wikipedia.org/wiki/Purified_water

Solution: The customer purchased a 0-60 psig, Battery powered gauge which gave the operator an accurate visual readout of the pressure.

DPG1000B

Battery Powered Digital Pressure Gauge

Benefits of API's solution:

±0.25% Test Gauge Accuracy
Accurate re-Transmission
0.5" digit height on Display for ease of reading

Cecomp Unique Feature

Cecomp Battery powered Gauges have an accuracy of ±0.25% of full scale (±1 least significant digit. Cecomp uses the "terminal-point" specifications method during our gauge calibration instead of "best-fit straight line" specifications. This type of calibration procedure is more stringent and means that the zero pressure point and the 100 percent pressure point are "terminals" (sometimes referred to as end points) to which the actual performance of the transducer is fixed.

To find your local representative:
www.api-usa.com/api_rep_map.php

Revised 02/2012

API List Pricing Quick Link