

U86B and 86A Media Isolated Analog Pressure Sensor Modules



Measurement Specialties, Inc. (NASDAQ: MEAS) has just released to production its new urea dosing [U86B](#) media isolated analog pressure sensor module, as well as added an “Absolute” pressure type for its existing model [86A](#). These amplified, ASIC calibrated sensors were designed to be mountable with o-ring seals for high performance, low pressure applications. These sensors utilize silicone oil to transfer pressure from its 316L stainless steel diaphragm to its sensing element.

The U86B is MEAS’ first urea dosing backside pressure sensor and can be used to measure urea level, urea pressure, air brakes and corrosive fluid measurement for engine and vehicle applications. With a pressure range of 0 - 300psi and an operating temperature range of -7°C to +105°C, the U86B features a ± 2.0 Total Error Band (over a compensated temperature range of -7°C to +105°C) and is CE approved as well as being manufactured to TS16949 standards. It comes with an optional cable length if desired.

The 86A is designed for applications such as: level controls, tank level measurement, OEM equipment, corrosive fluids and gas measurement systems, sealed systems, manifold pressure measurement, barometric pressure measurement and submersible depth monitoring. Its gage type reference has a pressure range of 0 – 150psi while its absolute type reference ranges from 15 - 150psi. Operating from -40°C to +125°C, it has a $\pm 0.25\%$ pressure non-linearity and features up to a $\pm 3.0\%$ Total Error Band (over a compensated temperature range of 0 to 105°C).

Measurement Specialties, Inc. designs and manufactures sensors and sensor-based systems. The company produces a wide variety of sensors and transducers to measure precise ranges of physical characteristics such as pressure, force, vibration, torque, position, temperature, humidity, fluid properties, mass air flow and photo optics. Measurement Specialties uses multiple advanced technologies – including piezo-resistive, electro-optic, electro-magnetic, variable reluctance, magneto resistive, digital encoders, thermistors, thermocouples, RTDs, capacitive, resonant beam, application specific integrated circuits (ASICs), micro-electromechanical systems (MEMS), piezoelectric polymers and strain gauges to engineer sensors that operate accurately and cost-effectively in customers’ applications.

For more information about Measurement Specialties and our products, e-mail pfq.cs.amer@meas-spec.com or visit us at www.meas-spec.com.