



K-TEK's BETA Pressure and Temperature Switches are Certified for IEC 61508 SIL2 Environments

Prairieville, LA (May 24, 2010) -- K-TEK, a leading manufacturer of state-of-the-art instrumentation for level measurement, today announced that the company's **BETA** line of pressure and temperature switches have been certified for operation in **SIL2** (Safety Integrity Level 2) environments. BETA switches are the only complete range of switches in the industry to be certified to the exacting IEC 61508 safety standard. To obtain SIL2 certification, the products must be analyzed based on quantitative data and tests indicating the length of time between failures and expected performance in the field. This certification helps reduce risk at the process measurement level when implementing Safety Instrumented Systems (SIS) in process plant environments, such as offshore oil platforms, chemical plants, and refineries.

"Safety is a high priority for end users," stated Winston Landymore, BETA Product Manager at K-TEK. "SIL2 certification is not usually found in the pressure and temperature switch industry because of the difficulty in meeting the criteria. BETA is the only pressure switch company to provide a complete SIL2 pressure switch product offering. BETA switches are engineered for maximum over-range protection, wide rangeability, and narrow deadbands. They can be integrated with our SIL2 magnetostrictive transmitters, eliminating single mode failure and increasing the

safety integrity rating of the entire level system."

The **BETA** line of pressure and temperature switches features spring-loaded, self-aligning diaphragm/piston sensors. Limited piston travel transmits pressure at the diaphragm directly to the microswitch; there are no intervening linkages or mechanisms and full protection is provided against high over-range pressure. The switches are engineered for maximum over-range protection of up to 5800 psi / 399 bar. The spring-loaded piston also provides excellent resistance against shock and vibration and makes changing ranges as easy as changing the spring. K-TEK's BETA W-Series include a separate



adjustment compartment that allows for easy field calibration.

Pricing & Delivery

K-TEK's BETA pressure and level transmitters for SIL2 environments are available for immediate shipment. Prices start at \$200.

The BETA data sheets can be downloaded at: <http://www.ktekcorp.com/dnn20/Default.aspx?tabid=54&productTypeId=18>

The BETA certificates can be downloaded at: <http://www.ktekcorp.com/dnn20/Default.aspx?tabid=97>

About K-TEK

K-TEK is a leading manufacturer of state-of-the-art liquid and solids level instrumentation with six global manufacturing centers around the world. Founded in 1975, the company pioneered the **KM26 magnetic level gauge** with extruded outlets and precision engineered floats and continues to set the pace in the industry with such innovations as **AccuTrak™**, the first SIL 2 certified (IEC 61508) magnetostrictive level transmitter; **SureShot™**, the first low cost, all digital design laser level and distance transmitter; **Resonator™**, the first vibrating fork switch that features a one-step, external calibration process, eliminating hassles with equipment covers; and **MT5000**, one of the industry's first guided wave radar level transmitter with full waveform digital readout and display. The company also manufactures ultrasonic transmitters and a full line of point level switches,

plumb bob devices, and field controllers. K-TEK's products are used in over 350,000 installations worldwide in such applications as chemical processing, oil and gas production, power generation, pulp and paper processing, mining and construction, food and beverage manufacturing, and plastics manufacturing. For more information, visit <http://www.ktekcorp.com>.

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