



## Marketing Innovation Newsletter

# BETA Pressure and Temperature Switches are Certified for IEC 61508 SIL2 Environments

Rijswijk, The Netherlands. (October 10, 2010.)

BETA announced that the 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 Martin van der Leden, BETA’s MD.*

“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 overrange protection, wide rangeability, and narrow deadbands.

The **BETA** line of pressure and temperature switches features spring-loaded, selfaligning 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.

**BETA W-Series** include a separate adjustment compartment that allows for easy field calibration.

### Pricing & Delivery

BETA pressure and temperature switches for SIL3 environments are available for delivery within 6 weeks.

