

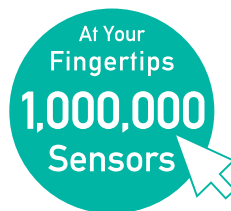
TILTIX INCLINOMETERS



Explosion Proof Certified Inclinometers

POSITAL has extended its TILTIX family of inclinometers (tilt sensors) to include explosion-proof models designed to operate safely in environments that contain potentially dangerous levels of explosive dust or gases. These devices have been certified in compliance with IECEx and ATEX directives and are suitable for use in mines, oil and gas facilities, agricultural applications, chemical plants, woodworking factories and milling operations.

- ATEX and IECEx Certified
- Zone 1/21 Mining or Oil and Gas
- High Vibration and Shock Resistance
- $\pm 80^\circ$ (Dual Axis) or 360° (Single Axis)
- CANopen, DeviceNet, Analog, SSI
- Rugged Aluminum and 316 Stainless Steel Housings
- Usage in Gas (2G) and Dust (1D) Hazardous Locations
- Accuracy 0.1° and resolution 0.044°



TILTIX INCLINOMETERS



Large Variety

Like other TILTIX inclinometers, the new models are available in single (0-360°) or dual-axis ($\pm 80^\circ$) versions and feature resolution as high as 0.01° and 0.1° accuracy. Available communications interfaces include DeviceNet, CANopen, Modbus RTU, SSI and analog output. Analog models can be programmed so that a predetermined range of mechanical motion is set span the full electrical output range. Rugged aluminum and 316 stainless steel housings are offered, with other materials available by special order. These products have been certified to the following ATEX ratings:

> Group I (mining)

Ex I M2 Ex e mb I Mb

> Group II (above ground operations)

EX II 2G Ex e mb IIc TX Gb (explosive gases)

EX II 1D Ex ta IIc TX Da IP65 (flammable dust)

A Million Possibilities

Like other POSITAL sensors, IXARC encoders are available with multiple options for housing size and materials, flange configuration, shaft type and diameter, connection/wiring type and level of environmental protection. The online product finder at www.posital.com helps users navigate this wide range of available models and provides more than 280,000 specific data sheets in 11 different languages.

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