**+++ Press Release +++**

**POSITAL “Explosion Proof” Inclinometers for Hazardous Locations**

**Hamilton, New Jersey, January 2020 –** 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.

Explosion-proof TILTIX inclinometers have been carefully evaluated to ensure that there are no hotspots or exposed electrical components that could ignite fires or cause explosions in the presence of flammable dust or gases. They are certified for use in mines and underground (Group I, Ex I M2 Ex e mb I Mb) and in above-ground workplaces (Group II, EX II 2G Ex e mb IIc TX Gb (explosive gases) and EX II 1D Ex ta IIIC TX Da IP65 (flammable dust).

Like other TILTIX inclinometers, the new models are available in single-axis (0-360°) or dual-axis (± 80°) versions and feature resolution as high as 0.01°. Accuracy is up to + 0.1°. Available communications interfaces include DeviceNet, CANopen, Modbus RTU, SSI and analog output. Analog models can be programmed so that the full range of electrical output is set to span a predetermined range of mechanical motion. This can significantly improve control system accuracy. Rugged aluminum or 316 stainless steel housings are offered, with other materials available by special order. These housings have environmental protection ratings of up to IP67.

POSITAL makes it easy for customers to find exactly the right ATEX/IEC Ex-rated inclinometers for their application. The product finder tool at [www.posital.com](http://www.posital.com) enables a customer to specify the product features required for their project and quickly zero in on the most suitable tilt sensor. POSITAL’s “Minimum Order Quantity: One”/MOQ1 manufacturing system ensures that products – whatever their special features – are assembled and shipped in a matter of days.

**About FRABA and POSITAL**

POSITAL is a supplier of advanced industrial position sensors used in a wide variety of motion control and safety systems. The company is also an innovator in product design and manufacturing processes and a pioneer of Industry 4.0 (Industrial Internet of Things/IIoT), offering customers the benefits of built-to-order products combined with the price advantages of mass-production. POSITAL is a member of the international FRABA group, whose history dates back to 1918, when its predecessor, **Fr**anz **Ba**umgartner elektrische Apparate GmbH, was established in Cologne, Germany to manufacture relays. Since then, the company has played a trendsetting role in the development of rotary encoders, inclinometers and other sensor products. POSITAL has a global reach with subsidiaries in Europe, North America and Asia – and sales and distribution partners around the world.

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Graphic

File: PressPhoto.ExProof\_TILTIX.jpg

Caption: POSITAL Explosion Proof TILTIX inclinometers are suitable for use in mines, oil and gas facilities, agricultural applications, chemical plants, woodworking factories and milling operations.

###### Further Information

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