Linear Position Sensor for Dust and Gas/Vapor Hazardous Locations

Everight Precision Technologies Corporation announced the Positek E111 intrinsically safe, rugged linear position sensor for use in potentially explosive dust and gas/vapor atmospheres. The E111 is ATEX approved to Ex II 1GD EEx ia IIC T4 Ex iaD 20 T135°C (Ta = -40°C to +80°C). This designates the sensor as belonging to: Group II - suitable for all areas except mining and Category 1 GD - for use in areas with continuous, long or frequent periods of exposure to hazardous gas (Zones 2 to 0) and dust (Zone 20). Operating temperature limits of the sensors are -40 to +80°C. The sensor has a 12.7 mm target rod, recommended for applications where vibration is an issue or where there is a need for longer travel sensors. Body and target rod are stainless steel for long service life and corrosion resistance. It is built and calibrated for the user's measurement range from 50 mm to 600 mm and is offered with a variety of mounting configurations and an optional shaft boot for protection against particle ingestion. They must be operated with Positek BX barriers that provide either a 0.5V DC to 9.5V DC or a 4 mA to 20 mA analog output that represents absolute position immediately on power up.
Everight Precision Technologies
856-727-9500 , www.everightsensors.com [1]

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