**GB-SERIES**  
(with threaded flange or pressure fit flange)

The Temposonics® GB-Series is designed to be incorporated into hydraulic cylinders, such as those typically used in power generation plants. The flat, compact electronics housing facilitates deployment in restricted spaces.

The operational advantages of these sensors are: high pressure resistance (the new GB-J sensor offers up to 800 bar operating pressure), strong immunity to EMI and ability to operate in temperatures up to +100 °C (+212 °F). High durability and increased resistance to rust is achieved by using 316L stainless steel (GB-N model). GB-Series sensors can be programmed using a hand-programmer unit, through the USB port.

The GB with threaded flange (GB-M / GB-T) offers further advantages such as a sensor electronics housing with its electrical connection that can be rotated 360 degrees to easily achieve the necessary connection orientation. If needed, the sensor element and electronics can be replaced while the flange is still installed in the cylinder. This means that the hydraulic circuit is not interrupted which results in lower maintenance costs and reduced downtime.

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**Output (resolution)**
- Current: 16 bit
- Voltage: 16 bit
- SSI: 5 µm

**Operating conditions**
- Temperature: −40...+100 °C (−40...+212 °F)
- Shock test: 100 g (single shock), IEC standard 60068-2-27
- Vibration test: 15 g / 10...2000 Hz, IEC standard 60068-2-6 (excluding resonant frequencies)

**Design**
- Stroke length: 25...3250 mm (1...128 in.)

**Accuracy**
- Linearity: < ±0.02 % F.S.

**Electrical connection**
- Operating voltage: ±24 VDC (-15 / +20 %)

More information available at: [www.mtssensors.com](http://www.mtssensors.com)