

## Pressure sensors

# TDK offers compact, rugged pressure transmitter for industrial applications

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TDK Corporation (TSE:6762) presents the compact, rugged B58620F3800B768 AFA pressure transmitter for screw mounting for a wide range of industrial applications. It is designed for a pressure range of 1 bar to 11 bar and temperatures from -20 °C to +125 °C. The dimensions are only 48 x 27 x 24 mm. The new transmitter offers a high measuring accuracy of  $\pm 0.5$  percent FS (full scale) in the temperature range from +20 °C to +80 °C.

The piezoresistive pressure transmitter is based on MEMS technology with a robust stainless steel pressure port. It is suitable for pressure measurement of non-freezing media such as fuel, diluted acids or contaminated air. The absolute pressure transmitter has a 0.4 mm diameter pressure port with an M10 thread and is easy to mount. The integrated signal conditioner compensates for non-linearity and temperature errors. It provides a precise, calibrated analog output signal in the range of 0.5 V to 4.5 V with high immunity to electromagnetic interference (EMI).

Typical applications include industrial process control, food packaging systems, pump monitoring, and pneumatic systems.

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### Main applications

- Industrial process control
- Food packaging systems
- Pump monitoring
- Pneumatic systems

### Main features and benefits

- Pressure range from 1 bar to 11 bar
- High measuring accuracy of  $\pm 0.5$  percent FS (full scale)
- Integrated signal conditioning for compensation of non-linearity and temperature error
- Analog output signal from 0.5 V to 4.5 V

## About TDK Corporation

TDK Corporation is a world leader in electronic solutions for the smart society based in Tokyo, Japan. Built on a foundation of material sciences mastery, TDK welcomes societal transformation by resolutely remaining at the forefront of technological evolution and deliberately “Attracting Tomorrow.” It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK’s comprehensive, innovation-driven portfolio features passive components such as ceramic, aluminum electrolytic and film capacitors, as well as magnetics, high-frequency, and piezo and protection devices. The product spectrum also includes sensors and sensor systems such as temperature and pressure, magnetic, and MEMS sensors. In addition, TDK provides power supplies and energy devices, magnetic heads and more. These products are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics and TDK-Lambda. TDK focuses on demanding markets in automotive, industrial and consumer electronics, and information and communication technology. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2022, TDK posted total sales of USD 15.6 billion and employed about 117,000 people worldwide.

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You can download this text and associated images from <http://www.tdk-electronics.tdk.com/en/220809>. Further information on the products can be found under [www.tdk-electronics.tdk.com/en/pressure\\_sensor\\_transmitters](http://www.tdk-electronics.tdk.com/en/pressure_sensor_transmitters).

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