



MS4515DO

SPECIFICATIONS

- PCB Mounted Digital Output Transducer
- Combination Temperature and Pressure
- Pressure Ranges from 2 to 30 inches H₂O
- I²C or SPI Protocol
- Differential & Gage
- Temperature Compensated
- 3.3 or 5.0 V_{DC} Supply Voltage
- Low Power Option Available (standby < 1μA)

The MS4515DO is a small, ceramic based, PCB mounted pressure transducer from TE Connectivity. The transducer is built using the latest CMOS sensor conditioning circuitry to create a low cost, high performance digital output pressure (14bit) and temperature (11bit) transducer designed to meet the strictest requirements from OEM customers.

The MS4515DO is fully calibrated and temperature compensated with a total error band (TEB) of less than 1.0% over the compensated range. The sensor operates from single supply of either 3.3 or 5.0V_{DC} and requires a single external component for proper operation.

The rugged ceramic transducer is available in side port, top port, and manifold mount and can measure gage or differential pressure from 2 to 30 inches H₂O. The 1/8" barbed pressure ports mate securely with 3/32" ID tubing.

FEATURES

- Inches H₂O Pressure Ranges
- PCB Mountable
- Digital Output
- Barbed Pressure Ports

APPLICATIONS

- Blocked Filter Detection
- Altitude and Airspeed Measurements
- Medical Instruments
- Fire Suppression System
- Panel Meter
- Air Movement/Environmental Controls
- Pneumatic Controls

STANDARD RANGES (INCHES H₂O)

Range	Gage	Differential	Option Availability
2		DS, SS, TP, MM	-L
4	DS, SS, TP, MM	DS, SS, TP, MM	-L
5	DS, SS, TP, MM	DS, SS, TP, MM	-L
10	DS, SS, TP, MM	DS, SS, TP, MM	-F, -L, -M
20	DS, SS, TP, MM	DS, SS, TP, MM	-F, -L, -M
30	DS, SS, TP, MM	DS, SS, TP, MM	-F, -L, -M

See Package Configurations: DS= Dual Side Port, SS= Single Side Port, TP= Top Port, MM= Manifold Mount
 Only I²C Protocol is Available on "L" type Pin Styles; Reference Ordering Information for Details
 Pin Style "L" is only available SS and MM port types.
 Pin Style "C" is only available SS, TP and MM port types.

BLOCK DIAGRAM

