

OEM Pressure Transmitters with Ceramic Sensor

Type OC-1

Description

OC-1 pressure transmitters incorporate the WIKA ceramic thick film sensor providing performance and economy for a wide range of OEM applications. Typical applications include water treatment systems, pneumatics, compressor controls, pump protection, refrigeration and air conditioning systems.

Dependable performance

The OC-1 features a corrosion free monolithic ceramic thick film sensor that is virtually corrosion free and provides excellent long-term stability, repeatability, and hysteresis specifications. The case is available in stainless steel or brass and provides up to NEMA 4 / IP 67 ingress protection when equipped with the optional cable connection.

Standard signal outputs include 4-20 mA, 0.1-10V, and 0.5 – 4.5V ratiometric allow the OC-1 to be integrated into many existing applications. Several signal outputs, process connections, and electrical connections are available.

The OC-1 achieves an accuracy of $\leq 0.50\%$ full scale. The printed circuit board uses state-of-the-art surface mount technology. Modern production methods provide a low cost quality transmitter for many OEM applications requiring large quantities.

Datasheet: OC-1

Available on www.wika.com



Left: OC-1 with M12 x 1 connector
Center: OC-1 with IP 67 cable assembly
Right: OC-1 with miniDIN connector

Type TTF-1

The Type TTF-1 is designed for engineers who want to provide their own power supply and signal conditioning circuitry. The sensors are manufactured by depositing an insulating layer onto a 17-4PH stainless steel diaphragm, then depositing a metal strain gauge element by vacuum deposition, resulting in stability, ruggedness and extended operating life. For improved performance, temperature compensating elements, wiring, and balance components are deposited simultaneously during the manufacturing process.



Datasheet: TTF-1

Available on www.wika.com

Contact WIKA for pricing on the TTF-1

Type OC-1 OEM Pressure Transmitter

Standard Features: See Datasheet OC-1



OC-1 Option List

Feature
Signal Output
4-20mA 2-wire
0.1-10V 3-wire
0.1-5V 3-wire
0.5-4.5V 3-wire
0.5-4.5V 3-wire Ratiometric
On inquiry
Unit
psi
On inquiry
Pressure Range
0 psi ... 30 psi
0 psi ... 60 psi
0 psi ... 100 psi
0 psi ... 160 psi
0 psi ... 200 psi
0 psi ... 300 psi
0 psi ... 500 psi
0 psi ... 1000 psi
On inquiry
Process Connection
1/4"NPT
7/16-20 UNF SAE flare connection
7/16-20 UNF male
7/16-20 UNF with Scharder opener
G1/4B
On inquiry

Feature
Special Design Features
Without
Oil and grease free
On inquiry
Sealing
NBR
On inquiry
Material of Wetted Parts
Brass, ceramic and sealing
Stainless steel, ceramic and sealing
Electrical Connection
4 Pin locking plug M12 x 1 (NEMA 5 / IP 65)
Miniature L-plug connector DIN EN 175301-803 C, 8 mm, (NEMA 5 / IP 65)
Cable with free ends (NEMA 4 / IP 67)
On inquiry
Cable Length
Without
1.5 m
Please give customer's specification
Quality Certificates
Without
Other - please specify
Digital display
Without
Digital display
Additional order details
Without
Additional text