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EC03KPS1HC



Actual product appearance may vary.

Eclipse Series Stainless Steel Pressure Sensor, Amplified Output, Sealed Gage, 0 psi to 3,000 psi, Item Number 9251707

Features

Voltage or current output
 15 PSIG through 7100 PSIS ranges
 CE versions available
 High performance at low price
 Weatherproof type connector
 Reverse-polarity protection
 Low -excitation voltage
 Flexibility for the designer
 Suitable for many applications
 Ready for Europe
 Reduces OEM system cost
 High reliability and user flexibility
 Not damaged by reversed wiring
 Suitable for ORV or marine use
 Complete environmental protection for electronics

Potential Applications

Energy management: "smart" compressors, refrigeration/ chiller control
 Hydraulic / pneumatic controls
 Automotive air compressors
 Off road vehicles

Description

The Eclipse is designed for high-volume OEM's needing a lowcost pressure transmitter for industrial or other heavy-duty applications. The Eclipse's combination of rugged packaging, internal signal amplification and price make it ideal for many applications.

The pressure media is contained by a brazed assembly of stainless steel. There are no hidden O-rings or elastomers containing the media. A plated steel case protects the internal electronics.

It is available with either a 0.5 Volt to 4.5 volt or 4 mA to 20 mA output. The 4 mA to 20 mA output is useful for applications where electrical noise may be a concern. Units with the Hirschmann connectors are CE approved.

Supporting Documentation

- ▣ [Dimensions and Circuitry](#)
- ▣ [Documentation](#)

Product Specifications	
Measurement Type	Sealed Gage
Signal Conditioning	Amplified
Pressure Range	0 psi to 3,000 psi
Supply Voltage	5.0 Vdc ± 0.25 Vdc
Maximum Overpressure	4,500 psi
Burst Pressure	15,000 psi
Port Style	1/8 -27 NPT
Temperature Compensation	Yes
Output Type	0.5 Vdc to 4.5 Vdc
Protection Circuitry	Reverse Polarity
Accuracy	0.25% full scale BFSL
Response Time	less than 1.0 ms
Insulation Resistance	1000 Mohms @ 50 Vdc max.
Output Calibration	Yes
Termination Type	Hirschmann Connector
Weight	85 grams [3.0 ounces]
Full Scale Span	4 Vdc
Operating Temperature Range	-40 °C to 105 °C [-40 °F to 221 °F]
Compensated Temperature Range	-1 °C to 82 °C [30 °F to 180 °F]
Storage Temperature Range	NO IDEA SHARED FORMULA EXP PTG
Media Compatibility	Limited only to those media which will not attack a brazed assembly of 300 Series stainless steel parts
Approvals	CE, ULc, AGA, CSA
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	Eclipse

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