

Honeywell Sensing and Control



Home > Products > Stainless Steel Media Isolated > Eclipse > Product Page

EC03KPS1PC



Eclipse Series Stainless Steel Pressure Sensor, Amplified Output, Sealed Gage, 0 psi to 3,000 psi, Item Number 9251407

Actual product appearance may vary.

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

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Specification Search

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 Circuity](#)

[Documentation](#)

Product Specifications	
Measurement Type	Sealed Gage
Signal Conditioning	Amplified
Pressure Range	0 psi to 3,000 psi
Supply Voltage	5.0 Vdc \pm 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	Packard Metri - Pack™ 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	Transducers
Availability	Global
Series Name	Eclipse