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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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