

Honeywell Sensing and Control



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

EC200PS1HC



Eclipse Series Stainless Steel Pressure Sensor, Amplified Output, Sealed Gage, 0 psi to 200 psi, Item Number 9251702

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

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](#)

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| Product Specifications | |
|-------------------------------|---|
| Measurement Type | Sealed Gage |
| Signal Conditioning | Amplified |
| Pressure Range | 0 psi to 200 psi |
| Supply Voltage | 5.0 Vdc \pm 0.25 Vdc |
| Maximum Overpressure | 300 psi |
| Burst Pressure | 1,000 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 | Transducers |
| Availability | Global |
| Series Name | Eclipse |