



Representative photograph, actual product appearance may vary.

Due to regional agency approval requirements, some products may not be available in your area. Please contact your regional Honeywell office regarding your product of choice.

XCX15ANH

Pressure Sensors: Measurement Type: Absolute; Signal Conditioning: Unamplified; Pressure Range: 2.0 psia to 15.0 psia; Port Style: Barbed: High Grade

Features

- Pressure Ranges from 4 in H₂O, 10 in H₂O 1 psi through 150 psi
- Calibrated offset to \pm /mV
- Calibrated Full Scale Span to \pm 1.0 % FS over Compensated Temperature Range
- Temperature Compensated over 0 °C to +70 °C
- Gage, Differential, and Absolute Pressure
- Burst Pressure 3X Rated
- Ratiometric mV Output

Typical Applications

- Medical Applications
- Applications Requiring Small Size
- Applications Requiring Vacuum, Positive Pressure or Both

Description

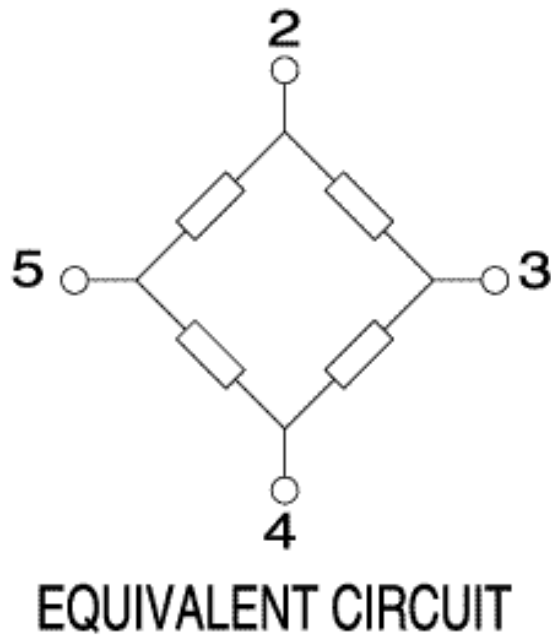
The XCXL, XCX Series integrates silicon micromachined sensing technology, temperature compensation, and calibration in an improved performance industry standard package. A unique stress isolating design protects against torque induced errors typically found in competitive products. Additional stability and long term accuracy improvements are gained through simplified compensation techniques, which eliminate temperature dependent thermal compensation. This series is available in a commercial (XCX-DNC) performance level. This performance level provides the calibration accuracy of offset thermal compensation, and linearity providing added flexibility to meet critical performance budgets. The XCA and XCR Series provide amplified output as well as integrated compensation.



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Product Specifications	
Measurement Type	Absolute
Signal Conditioning	Unamplified
Pressure Range	2.0 psia to 15.0 psia
Maximum Overpressure	45.0 psia
Supply Voltage	3.0 Vdc min., 12.0 Vdc typ., 16.0 Vdc max.
Compensated	Yes
Output Calibration	Yes
Termination	PCB
Port Style	Barbed
Package Style	Honeywell DI-XCX
Typical Sensitivity	6 mV/psi
Full Scale Span	90 mV typ.
Null Offset	0 mV typ.
Null Shift over Temperature	± 0.5 mV
Span Shift Over Temperature	± 1% Span
Linearity, Hysteresis Error	± 0.3 % Span Typ.; ± 5 % Span Max.
Repeatability	0.1 % Span typ.
Input Resistance	15.0 kOhms
Shock	10 g
Weight	7.6 G
Operating Temperature Range	-25 °C to 85 °C [-13 °F to 185 °F]
Compensated Temperature Range	0 °C to 70 °C [32 °F to 158 °F]
Storage Temperature Range	-40 °C to 125 °C [-40 °F to 257 °F]
Media Compatibility	P2 port: DRY GASES ONLY: Media must be compatible with epoxy based adhesive. P1 port: Wetted materials; Media must be compatible with nylon housing, epoxy adhesive and silicon.
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	XCX Series



PIN DESIGNATION

1. N/C
2. + V Excitation
3. + Output Signal
4. - V Excitation
5. - Output Signal
6. N/C

Honeywell

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WARNING

PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

 **WARNING**

MISUSE OF DOCUMENTATION

- The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

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