



Home > Products > Stainless Steel Media Isolated > 19 mm > Product Page

19C050PV1K



Actual product appearance may vary.

Pressure Transducer, Series 19 mm, Compensated, Pressure Range: 0 psi to 50 psi, Vacuum Gage, Cell with body o-ring, 10 Vdc excitation

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Features

Low cost
 Rugged, isolated stainless steel package - small size
 Reliable semiconductor technology
 Calibrated and temperature compensated
 Absolute and gage pressures
 Vacuum compatible, isolated sensors
 Absolute pressure
 0 psi to 300 psi, 0 psi to 500 psi

Potential Applications

Industrial controls
 Process control systems
 Industrial automation and flow control
 Pressure calibrators

Description

Honeywell's stainless steel 19C, 19U, and 19 Vacuum Gage Series sensors were developed for pressure applications that involve measurement of hostile media in harsh environments compatible with 316 stainless steel. The special Vacuum Gage Series sensors are specifically designed for applications that can be exposed to vacuum.

The 19C Series are calibrated and temperature compensated. They are available for use with either a constant voltage or current source. They feature a variety of pressure connections to allow use in a wide range of OEM equipment. The 19U Series is uncompensated for applications that use their own specialized circuit designs. The 19C and 19U Series are rugged and reliable transducers for use in a wide variety of pressure sensing applications where corrosive liquids or gases are monitored.

Supporting Documentation

[Dimensions](#)

[Equivalent Circuit](#)

Product Specifications	
Supply Voltage Version "K"	15 Vdc
Pressure Range	0 psi to 50 psi
Burst Pressure	250 psi
Proof Pressure	150 psi
Temperature Compensation	Yes
Operating Temperature Range	-40 °C to 125 °C [-40 °F to 257 °F]
Compensated Temperature Range	0 °C to 82 °C [32 °F to 180 °F]
Storage Temperature Range	-40 °C to 125 °C [-40 °F to 257 °F]
Vibration	10 G at 20 Hz to 2000 Hz
Shock	100 G for 11 ms
Life	1 million cycles min.
Availability	Global
Series Name	19 mm

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