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MKS Series 523 Wide Range Cold Cathode Sensor Transducer KF25 Inlet 523210-0-0E-T

Description

MKS Series 523 Wide Range Cold Cathode Transducer KF25 (PN 523210-0-0E-T)

Compatible with MKS MGPD-E Power Supply and Display

The Series 523 is a revolutionary vacuum transducer using the combination of diverse materials and two different types of discharge. It provides a low-cost, wide-range cold cathode suitable for industrial coatings, analytical instruments, and general vacuum applications. The design of the Series 523 is the right fit for applications requiring limited accuracy. It covers a wide pressure range from Atmosphere to 10-7 Torr, without the use of a conventional heat loss (Pirani) sensor, for measurement from 10-2 Torr to Atmosphere.

FEATURES & BENEFITS

• Single transducer provides a wide measurement range of 10-7 Torr to Atmosphere, eliminating the

need for multiple gauges
• Unique high pressure discharge cell, replaces the need for a second technology vacuum sensor
• Mountable in any orientation for ease of use and flexibility of design
• Simple analog output for ease of integration
• Cost-effective replacement gauge assembly lowers total cost of ownership

This is a Brand New Cold Cathode Transducer ONLY. The MKS signal cable and MKS Power Supply MGPD-E Controller for this unit are sold separetely on this website. **A complete specification brochure and Quick Start Guide are available for download in PDF format to the left.**

Brochure

mks Series 523

Granville-Phillips® Wide Range COLD CATHODE TRANSDUCER

New IN STOCK



The Series 523 is a revolutionary vacuum transducer using the combination of diverse materials and two different types of discharge. It provides a low-cost, wide-range cold cathode suitable for industrial coatings, analytical instruments, and general vacuum applications. Pressure range from ATM to 10^{-7} Torr

FEATURES & BENEFITS

- Single transducer provides a wide measurement range of 10^{-7} Torr to Atmosphere, eliminating the need for multiple gauges
- Unique high pressure discharge cell, replaces the need for a second technology vacuum sensor
- Mountable in any orientation for ease of use and flexibility of design
- Simple analog output for ease of integration
- Cost-effective replacement gauge assembly lowers total cost of ownership

APPLICATIONS

For vacuum users requiring limited accuracy



For vacuum users requiring limited accuracy and operating within the pressure range of Atmosphere to 10^{-7} Torr, the Series 523 is ideal for applications requiring simple, repeatable pressure measurement.

SPECIFICATIONS

Measurement Range N_2 Air	1 x 10^{-7} Torr to Atmosphere
Accuracy (N_2)	±50% (5 x 10^{-7} to 1 x 10^{-2} Torr) ±50% (over 10 Torr)
Input Power	24 VDC, 2.5 W continuous
Weight	<400 g
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operation Humidity	0 to 90%
Non-Operating Temperature	0°C to +70°C (32°F to 158°F)
Mounting Orientation	Any
Compliance	CE
Materials Exposed to Gas	Polypropylene, 304 ss

Applications include:

- Analytical equipment (mass spectrometer control)
- Scanning electron microscopes
- Industrial coating systems
- General vacuum base pressure measurement

MANUFACTURE WARRANTY MANUFACTURE





LINK

Compatible MGPD-E Power Supply & Cable Also Available

Ideal® vacuum

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