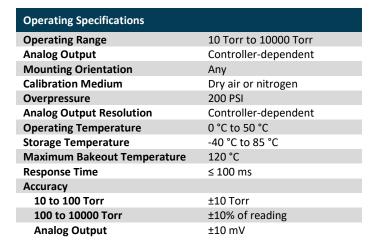


1F Piezo Diaphragm Vacuum Gauge

Part Number: 2-2108-001



Physical Characteristics

Electrical Connections Octal male

Weight 126 g (0.28 lbs) (NW25)

Key Features and Benefits

- Gas independent measurement
- · Competitively priced
- · Compact, robust design
- · Excellent resolution and repeatability
- Minimal sensor to sensor output variation
- Excellent customer support

Applications and Industries

- E-beam welding
- Liquefied Natural Gas (LNG), industrial gas, cryogenics
- National labs, research and development
- Thin film deposition
- Vacuum furnace, heat treat

Orderin	g Infoi	mation
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Part Number Description

2-2108-001 1/8" NPT Nickel-Plated Brass

C	- M	Controller
Walselebalel		

Part Number Description MX200 Vacuum Controller RS-232/RS-485/USB 2-7900-034

2-7900-037 MX200 Vacuum Controller EthernetIP/USB

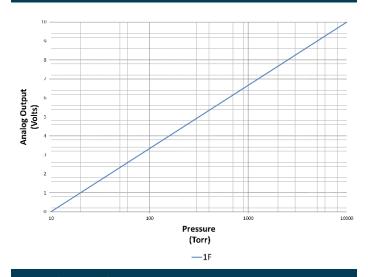
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Description

The 1F Piezo diaphragm vacuum gauge has a measurement range from 10 Torr up to 10000 Torr. It directly measures absolute pressure by detecting the deflection of a diaphragm. This sensor is available with a 1/8" (0.125") NPT nickel-plated brass flange.

Analog Output Behavior



iviaterials exposed to vacuum
Gold
Solder
Glass
Alloy 52
Nickel
Silicon
Pyrex
RTV
Aluminum

Ratings and Compliance

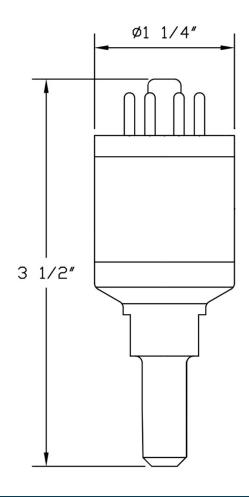
• RoHS complaint



1F Piezo Diaphragm Vacuum Gauge

Part Number: 2-2108-001

Dimensional Drawing



Additional Documentation

AN3010	Torr Scientific/Torr Decimal/mTorr/Micron Conversions
AN3015	Recommended Practices for Vacuum Calibration
AN3020	Vacuum Terminology Reference
Resource	Televac® Tolerances



Company Information

Specialty manufacturing services that promise precision -

For more than 85 years, Fredericks has specialized exclusively in tilt and vacuum measurement products. Today, our precise manufacturing processes produce the most accurate and advanced products on the market, ensuring perfection every time. A true specialty service provider, we are willing and eager to put our experience and capabilities to good use, helping OEMs achieve even the most complex designs.

High performance products designed and manufactured with pride - Fredericks is a global provider and U.S. manufacturer and designer of high-performance tilt and vacuum measurement products. Built to last, our products are made with state-of-the-art sensing technology, proven processes, and an intrinsic passion for the trade. Offering simple integration and quality and safety benchmarks, our customers benefit not just from standard-setting reliability, but from our commitment to competitive pricing and performance.

A partnership that prioritizes uptime, lead time, and service -

Fredericks guarantees customer satisfaction and our 'not too big, not too small' operation is what enables us to offer a true partnership experience. Our dedicated representatives and engineers offer exceptionally responsive service and some of the fastest lead times in the industry, knowing that uptime is the key to your success. With anytime-access to our leadership team and solutions that enhance your products, you will feel the Fredericks difference.

Vacuum measurement tools built for the toughest jobs -

Fredericks' world-class vacuum sensors, gauges, and control instrumentation are engineered for the most demanding applications and environments. Our patented Televac® and ETI vacuum brands feature cold-cathode technology, thermocouple and convection gauges, and precision-manufactured hot ionization gauges. Dedicated solely to vacuum gauging and calibration services, we provide industrial heating, national laboratories, cryogenics, and industrial gas applications, among many others, with fast lead times and industry-leading performance. Covering the entire practical vacuum range, our products deliver rapid response vacuum readings and superior sensitivity.

Contact Us

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