

Vacuum Controllers and Gauges for Freeze Drying

MV2A Thermocouple Vacuum Controller 2-7900-071

- 1×10^{-3} to 20 Torr measurement range
- ± 1 mTorr accuracy
- 0 to 5 V DC analog output
- Connects with 2A Thermocouple
- Rack-mountable design
- Simple integration with a PC or PLC



2A Thermocouple Pirani Vacuum Gauge 2-2100-10, 2-2100-0XX, 2-2126-0XX

- 1×10^{-3} to 20 Torr measurement range
- ± 1 mTorr accuracy
- ≤ 1 s response time
- Robust and contamination resistant vacuum gauge
- Drop-in vacuum gauge replacement



MX2A Thermocouple Pirani Active Vacuum Gauge 2-8910-1XX

- 1×10^{-4} to 1000 Torr measurement range
- ± 1 mTorr accuracy
- Two programmable set points
- Easy-to-read OLED display
- Compact design
- Simple to intergrate in an existing system



Precise Vacuum Measurement for the Freeze Drying Industry!

Whether you're using a large production freeze dryer or a bench-top freeze dryer, a critical element is precise vacuum measurements. You're in luck; Televac® offers several vacuum gauge solutions for the Freeze Drying Industry!

If you need a remote display, the Televac® MV2A vacuum controller paired with a 2A thermocouple vacuum gauge has a vacuum measurement range of 1×10^{-3} Torr to 20 Torr with an easy to read digital display, 2 programmable set points, and 0 to 5 V DC analog output, with cable lengths up to 100 ft.

If you have a smaller freeze dryer or would like the display on the vacuum gauge itself, check out the Televac® MX2A Active Vacuum Gauge. It has a range of 1×10^{-4} to 1000 Torr, with an electronics head attached directly to the vacuum gauge sensing component. The MX2A has an analog 0 to 10 V DC output, RS-485, and optional EthernetIP digital communications.

Why Fredericks?

For more than 85 years, Fredericks has specialized in vacuum measurement solutions for a variety of industries that set standards and promise precision, all designed and manufactured with pride in the USA.

We guarantee customer satisfaction and our "not too big, not too small" operation is what enables us to offer a true partnership that prioritizes uptime, lead time, and service.

