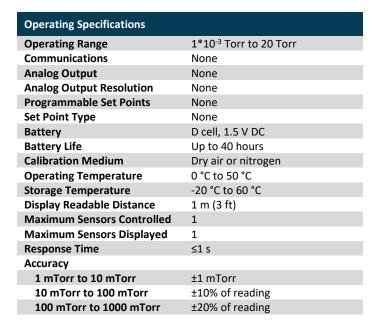


VacuGuard™ Portable Vacuum Controller Part Number: 2-3001-10X



Physical Characteristics	
Enclosure	Stainless steel
Weight with Sensor (typical)	0.7 kg (1.5 lbs)
Dimensions	See dimensional drawing

Key Features and Benefits

- Competitively priced
- Very compact design
- Lightweight and portable
- Excellent customer service and support
- Rapid turn-around for calibration and service

Applications and Industries

- Liquefied Natural Gas (LNG), industrial gas, cryogenics
- Field service applications

Materials Exposed to Vacuum	
Stainless Steel	Glass
Kovar	Tungsten
Molybdenum	Tantalum
Alumina Ceramic	Nickel
Platinum	Yttria Coated Iridium

Certifications, Compliance, and Ratings

- IP50
- NIST traceable calibration optional



Description

The VacuGuard™ Thermocouple Portable Vacuum Controller can be used to read any Televac® 2A thermocouple sensor or DV-4/DV-6 thermocouple sensors. It has a variety of features including an easy to read digital display and a single use or rechargeable D cell battery that lasts up to 40 hours. The VacuGuard™ has an optional coiled cable and carrying bag to minimize hassle while taking measurements in the field.

Ordering Information		
Part Number	Description	
2-3001-102	VacuGuard™ only	
2-3001-103	VacuGuard™, 2A 10' coiled cable, battery, carry case	
2-3001-104	VacuGuard™, 2A mini 10' coiled cable, battery, carry case	
2-3001-105	VacuGuard™ 2A/DV4/DV6 10′ coiled cable, battery, carry case	
2-3001-106	VacuGuard™ 2A/DV4/DV6 10' coiled cable, battery, charger, carry case	

Cables and Accessories		
Part Number	Description	
2-9800-081	2A cable, coiled, 10 ft (3 m)	
2-9800-082	NASA/mini 2A cable, coiled, 10 ft (3 m)	
1-2400-036	DV-4/DV-6 cable, coiled, 10 ft (3 m)	
1-5400-024	110 V AC battery charger	
1-5400-025	NiCd rechargeable D cell battery (pack of 2)	
6-5400-026	NiCd rechargeable D cell holder	
1-6100-001	Carry case	

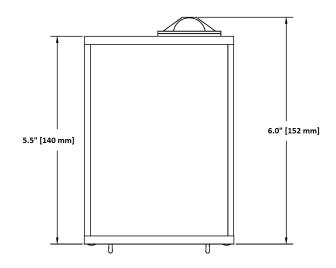
Compatible Vacuum Gauges		
Part Number	Description	
2-2100-10	2A 1/8" NPT Nickel-plated Brass	
2-2100-016	2A NW16/KF16 Nickel-plated Brass	
2-2100-025	2A NW25/KF25 Nickel-plated Brass	
2-2126-001	2A 1/8" NPT Stainless Steel	
2-2126-030	2A NW16/KF16 Stainless Steel	
2-2126-031	2A NW25/KF25 Stainless Steel	
2-2126-040	2A 8-VCO Male Stainless Steel	
2-2126-041	2A 8-VCO Female Stainless Steel	
2-2126-042	2A 8-VCR Male Stainless Steel	
2-2126-043	2A 8-VCR Female Stainless Steel	
2-2126-044	2A 4-VCR Male Stainless Steel	
2-2126-045	2A 4-VCR Female Stainless Steel	
2-2126-050	2A 1.33" CF Stainless Steel	
2-2126-052	2A 2.75" CF Stainless Steel	
2-2100-102	2A VacuMini 1/8" NPT Stainless Steel	
2-2100-31	2A NASA Mini 1/8" NPT Stainless Steel	
2-2100-97	2A NASA Mini VCR 4 male Stainless Steel	
2-2111-001	2V6 1/8" (0.125") NPT Stainless Steel	
2-2111-011	2V6 1/2" Straight Stainless Steel	
See manufacturer	Competing DV4/DV6 Thermocouple	

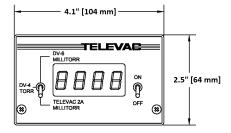
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VacuGuard™ Portable Vacuum Controller Part Number: 2-3001-10X

Dimensional Drawing





Additional Images



2-3001-10X Back

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 -

Since 1935, 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 sensitivity.

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Disclaimer: Specifications subject to change without notice. The Fredericks Company assumes no responsibility for inaccuracies in product specifications or any liability arising from product use.

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