

VacuMini

Miniature Type 2A Vacuum Sensor

Range: 1 Millitorr to 20 Torr
(1 micron to 20,000 microns)

Product Features

- Compact size: Approx. 2" long x 1/2" dia.
- Rugged 304 stainless steel construction.
- Standard connection interface is 1/8" NPT
- Weather Cap: Military type, gasketed and tethered
- Sensor operates in any physical orientation
- Rugged and simple design for trouble-free operation
- Low cost



PRODUCT APPLICATIONS

The VacuMini is ideally suited to applications where the vacuum vessel is located outdoors or in a physical environment that renders use of traditional thermocouple sensors impractical. Examples of such applications include:

- Fixed & mobile bulk cryogenic storage and transport vessels.
- Vacuum jacketed gas delivery manifolds.
- Mechanical vacuum pumps and blowers.
- House vacuum systems

Industries

Biotechnology
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of decorative and functional films Energy
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Freeze Drying
Industrial Research
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Optical Coating
Pharmaceuticals Semiconductor
Processing Vacuum Packaging
& Transport

PRODUCT DESCRIPTION

The VacuMini is a commercial version of Televac's highly successful NASA 2A sensor. VacuMini uses the same principle of operation as all Televac type 2A thermocouple sensors. It is roughly 1/2 the size and volume of traditional vacuum thermocouple sensors.

A machined 304 stainless body is designed with 1/8" NPT connection threads and integral wrench flats for ease of installation.

Unlike traditional vacuum thermocouple sensors which have exposed electrical pins, VacuMini's pins are protected in two ways. They are recessed within the sensor body diameter and a tethered and gasketed military type screw-on weather cap isolates the pins from moisture and dirt.

The VacuMini will operate in any physical orientation. We do suggest you consider using one of our filters in the event your vacuum vessel or process contains excessive particulates or contaminates.

PRODUCT SPECIFICATIONS

Range: 1 Millitorr to 20 Torr (1 micron to 20,000 microns)

Body Material: 304 series stainless steel

Vacuum Connection: 1/8" NPT

Leak Rate: 1×10^{-9} std. cc/sec (He) or less

Overpressure Rating: 100 psig

Instrument Selection

The ideal instrument to use to read the VacuMini is the Televac VacuGuard. This low cost digital instrument is fully self-contained and powered by a 1.5 volt battery. It will operate the VacuMini, as well as our standard 2A sensor and competitive thermocouple sensors.



ORDERING INFORMATION

VacuMini 2A sensor
Sensor cable, coiled, 10' extended length
VacuGuard Instrument
(refer to VacuGuard data sheet for further details)

Part Number 2-2100-102
Part Number 2-9800-082
Part Number 2-3001-102

Your Televac Representative is:

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