

PRODUCT TECHNICAL BRIEF

Meradat PMT-2 Thermal Vacuum Sensor

Meradat PMT-2 Thermal Vacuum Sensor - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Measurement principle	Thermal conductivity
Operating range	1.3×10^{-2} to 2.7×10^{-1} Pa
Measurement range	1.3×10^{-1} to 2.7×10^{-1} Pa
Permissible system error stated in source record	$\pm 30\%$ from 0.133 to 13.33 Pa
Compatible instruments	Meradat-VIT12T6, VIT16T5, VIT16T6 and VIT19IT2
Connection	Glass stem / mushroom-type fitting; a suitable vacuum adapter is required
Connection cable	KS-TP cable, typically 2 m or 5 m; confirm supply scope
Calibration gas	Dry air or nitrogen

Technical and Project Information

Glass-bodied thermal vacuum sensor for use with compatible Meradat-VIT controllers. The PMT-2 measures dry-air or nitrogen pressure from 1.3×10^{-1} to 2.7×10^{-1} Pa within an operating range extending to 1.3×10^{-2} Pa. Careful mechanical mounting is required.

The PMT-2 is a glass-bodied primary thermal transducer for dry-air or nitrogen vacuum measurement. A compatible Meradat-VIT controller powers the sensing element and converts its pressure-dependent heat loss into a pressure value.

The glass envelope must be protected from impact, vibration, bending load and cable tension. Install the sensor away from condensate, particles, oil mist and direct gas flow. Thermal response is gas-dependent, so other gases require correction or process-specific calibration.

The technical infographic, video and slide deck from the source page are intentionally omitted. Confirm the adapter, cable, controller channel, calibration and installation protection before ordering.

- Helium Reference Leaks
- Scanning Electron Microscopes

- Vacuum Gauges ASAIR Vacuum Gauges CBVAC Vacuum Gauges KYKY Vacuum Gauges Meradat VIT Vacuum Gauges Quadrupole Mass Spectrometers Vacuum Gauges for Cryogenic Vessels
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- Vacuum Gauges for Cryogenic Vessels
- Leak-Detector Accessories

WORLDWIDE PROJECT CONTACT

Send the test object or system, operating conditions, target sensitivity or pressure range, applicable standard, destination country, quantity and schedule. LeakLab will review the project scope.

mail@leaklab.org

Regarding: Meradat PMT-2 Thermal Vacuum Sensor

Specifications, standards, verification scope, availability and commercial terms must be confirmed for the exact configuration and destination jurisdiction before order or project acceptance.