

PRODUCT TECHNICAL BRIEF

ULVAC WP-01 Pirani Sensor Head

ULVAC WP-01 Pirani Sensor Head - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Sensor principle	Thermal conductivity, platinum filament
Mechanical connection	18 mm tube type
Compatible electronics	ULVAC GP-G family and SP1; confirm exact controller revision
Range with SP1 electronics	0.4-3,000 Pa
SP1 accuracy	±15% at 51-760 Pa; ±30% at 10-1,000 Pa; ±50% over the wider 0.4-3,000 Pa range
SP1 output / supply	0-5 V nonlinear output / 24 V DC ±2 V

Technical and Project Information

Replacement platinum-filament Pirani sensor head for compatible ULVAC controllers and SP1 sensor units. With the SP1 electronics, the supported pressure range is 0.4-3,000 Pa; output, power and setpoints belong to the controller, not to the bare WP-01 head.

The WP-01 is a replaceable Pirani gauge head with a platinum filament. ULVAC lists it for GP-G controllers and the SP1 sensor unit. It is a passive sensor head; the 24 V supply, analog output and setpoint functions are provided by the connected electronics.

Pirani indication is gas-dependent and ULVAC characterizes the system for a specified calibration gas. Contamination or chemically active gases can change the filament response; follow the controller manual's purge and replacement procedure.

Before replacing a sensor in a HELIOT leak detector or other OEM system, verify the instrument part number, connector, controller calibration and service manual. Availability, originality and compatibility must be confirmed at quotation time; no stock claim is made on this page.

- Helium Reference Leaks
- Scanning Electron Microscopes
- Leak-Detector Accessories Leak-Detector Spare Parts Vacuum-System Filters and Traps

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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: ULVAC WP-01 Pirani Sensor Head

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