PRODUCT TECHNICAL BRIEF

KYKY KYP-101 Pirani Vacuum Transmitter

KYKY KYP-101 Pirani Vacuum Transmitter - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Overall measurement range	1 × 10^5 to 1 × 10^-2 Pa
Effective measurement range	3 × 10^3 to 5 × 10^-1 Pa
Reference ranges	1 × 10^5 to 3 × 10^3 Pa and 5 × 10^-1 to 1 × 10^-2 Pa
Accuracy stated on the current product page	±30% of reading
Supply	24 V DC ±20%, 0.2 A
Permissible pressure	3 atm
Adjustment	Push-button zero/span adjustment
Electrical connection	8-pin FCC68/RJ45
Vacuum connection	KF16
Recommended mounting	Vertical
Approximate dimensions	45 × 25 × 110 mm

Technical and Project Information

Compact KYKY KYP-101 Pirani transmitter for 1 × 10^5 to 1 × 10^-2 Pa. Effective measurement range: 3 × 10^3 to 5 × 10^-1 Pa; the outer portions are reference ranges. DC 24 V supply, FCC68/RJ45 connection and KF16 flange. Confirm gas, output scaling, cable and controller compatibility before ordering.

The KYP-101 measures rough and low vacuum using the pressure-dependent thermal conductivity of a gas. Its compact stainless-steel sensing unit, temperature compensation and logarithmic output support integration in backing lines, vacuum stations and leak detectors.

Pirani-gauge indication depends on gas thermal conductivity. The stated calibration and pressure conversion apply to the reference gas and conditions in the manufacturer documentation; correction may be required for other gases.

The sensing unit is described as replaceable. Confirm the exact transmitter revision, gas, output-voltage equation, cable pinout, controller, flange, bakeout limits and supplied accessories before ordering.

The KYP-101 can be used with a compatible KYKY controller, including an appropriate KGC-101 or KGC-103 configuration.

- 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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- Meradat VIT Vacuum Gauges
- Quadrupole Mass Spectrometers
- 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: KYKY KYP-101 Pirani Vacuum Transmitter

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