

PRODUCT TECHNICAL BRIEF

KYKY KYF-181 Full-Range Vacuum Transmitter

KYKY KYF-181 Full-Range Vacuum Transmitter - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Measurement range	1×10^{-5} to 5×10^{-6} Pa
Measurement principles	Pirani thermal-conductivity gauge and cold-cathode ionization gauge
Accuracy	$\pm 50\%$ of reading
Supply	+18 to +30 V DC
Electrical connection	RJ45
Vacuum connection	KF25
Operating temperature	+5 to +50 °C
Storage temperature	-40 to +85 °C
Relative humidity	$\leq 65\%$, non-condensing
Approximate dimensions	68 × 50 × 125 mm
Compatible media stated by manufacturer	Non-flammable, non-corrosive gases

Technical and Project Information

KYKY KYF-181 combination Pirani and cold-cathode transmitter for 1×10^{-5} to 5×10^{-6} Pa. Stated accuracy: $\pm 50\%$ of reading; supply: 18-30 V DC; RJ45 electrical connection; KF25 vacuum flange. Intended for non-flammable, non-corrosive gases. Confirm output scaling, cable and controller compatibility before ordering.

KYKY KYF-181 Pirani / Cold-Cathode Vacuum Transmitter

The KYF-181 combines a Pirani sensor for rough and low vacuum with a cold-cathode ionization sensor for high vacuum. Automatic transition between the sensing principles provides continuous pressure monitoring from atmosphere to the

high-vacuum region.

Typical applications include vacuum chambers, coating equipment, turbomolecular-pump stations and leak detectors that require monitoring through rough- and high-vacuum pump-down.

Both Pirani and cold-cathode readings are gas-dependent. The stated accuracy is not a calibration-grade uncertainty across the entire range. Confirm gas compatibility, output-voltage equation, transition behavior, ignition logic, cable pinout, controller compatibility, flange and maintenance procedure 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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- 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 KYF-181 Full-Range 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.