

PRODUCT TECHNICAL BRIEF

LeakLab Vacuum Rise Test Kit with Leybold TTR 91 RN

LeakLab Vacuum Rise Test Kit with Leybold TTR 91 RN - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Transmitter	Leybold THERMOVAC TTR 91 RN
Measurement range	Atmospheric pressure to 5×10^{-2} Pa
Accuracy	$\pm 15\%$ from 100 to 1×10^{-3} mbar; $\pm 50\%$ at the upper and lower ends of the stated range
Repeatability	2% of reading from 100 to 1×10^{-3} mbar
Typical process connection	DN16 ISO-KF; other current variants are available
Output	0-10 V analog or serial interface depending on ordering code
Supply	15-48 V DC

Technical and Project Information

Vacuum pressure measurement and rate-of-rise test kit based on the Leybold THERMOVAC TTR 91 RN Pirani transmitter. The current manufacturer range is atmospheric pressure to 0.05 Pa, with $\pm 15\%$ accuracy across the central 10,000-0.1 Pa interval.

The kit records chamber pressure over time for pump-down and isolated rate-of-rise tests. With a known test volume, the pressure slope can be used to estimate total gas load. That result combines real leaks, outgassing, permeation and trapped volumes unless the test method separates them.

Pirani readings depend on gas species; the transmitter is normally characterized for a specified calibration gas. A rate-of-rise calculation is not a direct leak-localization method and should not be described as automatically separating leakage from outgassing.

Confirm the exact TTR suffix, flange, connector, output curve, display, data logger, calibration and software scope 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: LeakLab Vacuum Rise Test Kit with Leybold TTR 91 RN

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