

PRODUCT TECHNICAL BRIEF

KYKY KGC-101 / KGC-103 Vacuum Gauge Controller

KYKY KGC-101 / KGC-103 Vacuum Gauge Controller - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Compatible transmitters stated by manufacturer	KYP-101, KYM-240, KYF-180, KYF-2YZ, ZJ-2Y and applicable compatible configurations
Display units	mbar, Torr, Pa, micron, hPa, kPa and V
Sensor interfaces	RJ45/FCC68, DB15 and model-specific sockets
Transmitter power output	24 V DC $\pm 5\%$, ripple $V_{pp} \leq 0.5$ V
Controller power input	130-240 V AC, 50/60 Hz
Full-scale conversion error	$\leq 0.01\%$ full scale typical; $\leq 0.1\%$ over full temperature and long-term operation
Zero drift	$\leq 0.005\%$ full scale typical; $\leq 0.02\%$ over full temperature and long-term operation
Measurement rate	10 readings/s per channel
ADC resolution	0.001% full scale
Control loops	Up to 6
Weight	Approximately 1 kg
KGC-101 enclosure	106 × 84 × 206 mm, manufacturer width × height × length
KGC-103 enclosure	106 × 129 × 235 mm, manufacturer width × height × length

Technical and Project Information

Multi-channel KYKY KGC-101 / KGC-103 controller for compatible vacuum transmitters including KYP-101, KYM-240, KYF-180, KYF-2YZ and ZJ-2Y configurations. Up to six control loops, multiple display units, RJ45/FCC68 and DB15 interfaces, and 10 measurements per second per channel. Confirm controller model, channel cards, sensor compatibility

and power input before ordering.

The KGC-101 and KGC-103 provide centralized display and control for compatible KYKY vacuum transmitters. Each channel can operate independently or be combined with other sensor types to monitor a wider pressure range. Up to six integrated setpoints or control loops can be used for vacuum-system interlocks and automation.

The controller's electronic conversion specifications do not replace the accuracy specification of the connected vacuum transmitter. Overall system uncertainty is determined by the sensor, gas, range, cable, controller configuration and calibration.

Confirm the exact KGC model, installed channel cards, supported transmitter revision, sensor cable, setpoint outputs, communications options, panel cutout, mains plug and supplied documentation 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
- ASAIR Vacuum Gauges
- CBVAC Vacuum Gauges
- KYKY Vacuum Gauges
- 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 KGC-101 / KGC-103 Vacuum Gauge Controller

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