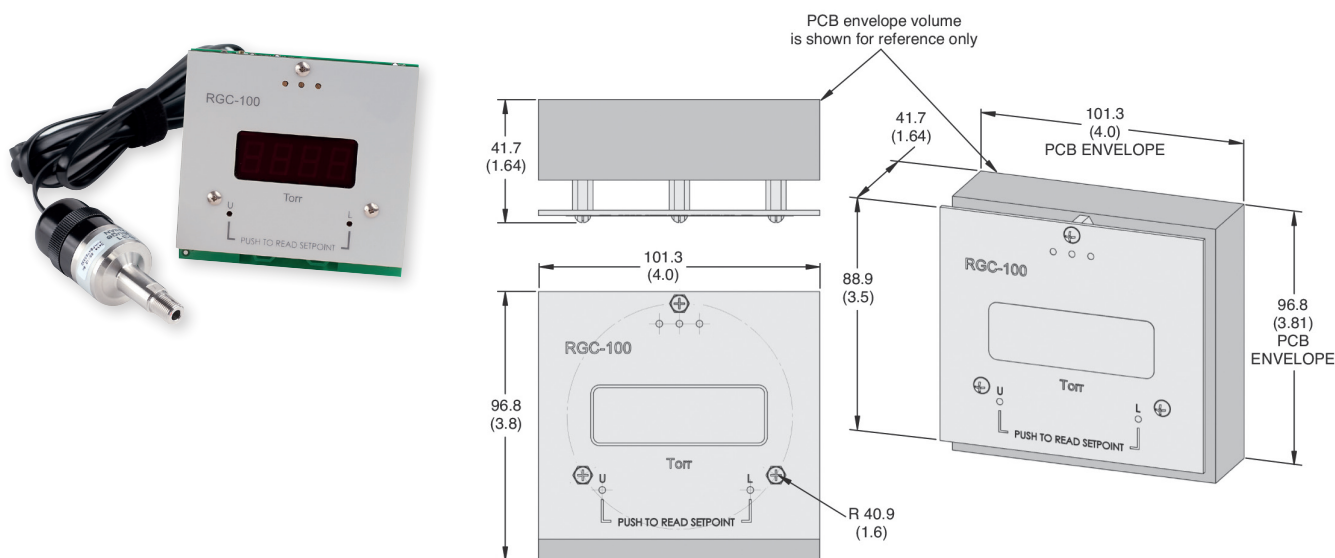


RGC-100 Rough Vacuum Gauge Controller



Dimensions: millimeters (inches)

Agilent's rough vacuum gauge controller is a cost-effective solution for pressure measurement in the 1×10^{-3} to 760 Torr (1.013×10^{-3} to 1013 mbar) range. The RGC-100 package includes the Thermocouple gauge tube, sensor cable, and power supply.

This vacuum gauge controller is a perfect precalibrated, turnkey solution in a wide range of applications: general vacuum measurement in the rough vacuum range, monitoring forelines, chamber evacuation, and crossover to high vacuum pumps.

Features	Benefits
Thermocouple gauge – Agilent 531 – and controller are pre-calibrated as a set at the factory	No calibration required at initial setup
Runs on 100-240 VAC, 50/60 Hz and displays in Torr or mbar	Globally compatible
Large bright LED display	Easily read from across a room, or in dimly lit locations
No moving parts	Shock resistant and requires infrequent calibration
Optional set point control, analog output, RS232 communications	Easily integrated
Economical vacuum gauge	Ideal choice for integrators

NOTE Factory calibration is performed using equipment under NIST Standards. Calibration certificates are not available with these products.

Technical Specifications

Measurement range	1.3 x 10 ⁻³ to 1000 mbar (1.0 x 10 ⁻³ to 760 Torr)	
Accuracy	% of reading	Units
	±10%	1.3 x 10 ⁻³ to 1.3 mbar (1 milliTor to 1 Torr)
	±15%	1.3 to 13.3 mbar (1 to 10 Torr)
	±50%	13.3 to 213 mbar (10 to 160 Torr)
	±25%	213 to 1000 mbar (160 Torr to 760 Torr)
Interface cable length	10 ft.	
Sensor	Agilent 531 or 536 Thermocouple Gauge	
Display	mbar or Torr	
Dimensions	Mounts in 2.66 inch panel hole with 3 screws on 1.60 inch radius	
Supply voltage	100-240 VAC, 50/60 Hz	
Standards	CE, ROHS compliant	
Optional setpoint controls	7 A, 250 V	
Optional communication interface	RS-232	
Optional analog output	RS232	0-5 VDC

Ordering Information

Description	Part Number
RGC-100 Controller (mbar), 531 TC 1/8 in NPT	RGC100M
RGC-100 Controller (mbar), 531 TC 1/8 in NPT, Setpoints & RS232	RGC100MS
RGC-100 Controller (mbar), 536 TC DN 16 ISO-KF	RGC100MKF16
RGC-100 Controller (mbar), 536 TC DN 25 ISO-KF	RGC100MKF25
RGC-100 Controller (mbar), 536 TC DN 16 CFF (1.33 in CFF)	RGC100MCF
RGC-100 Controller (mbar), 536 TC DN 16 ISO-KF, Setpoints & RS232	RGC100MSKF16
RGC-100 Controller (mbar), 536 TC DN 25 ISO-KF, Setpoints & RS232	RGC100MSKF25
RGC-100 Controller (Torr), 531 TC 1/8 in NPT	RGC100T
RGC-100 Controller (Torr), 531 TC 1/8 in NPT, Setpoints & RS232	RGC100TS
RGC-100 Controller (Torr), 536 TC DN 16 ISO-KF	RGC100TKF16
RGC-100 Controller (Torr), 536 TC DN 25 ISO-KF	RGC100TKF25
RGC-100 Controller (Torr), 536 TC DN 16 CFF (1.33 in CFF)	RGC100TCF
RGC-100 Controller (Torr), 536 TC DN 16 ISO-KF, Setpoints & RS232	RGC100TSKF16
RGC-100 Controller (Torr), 536 TC DN 25 ISO-KF, Setpoints & RS232	RGC100TSKF25
RGC-100 Controller (Torr), 536 TC DN 16 CFF (1.33 in CFF), Setpoints & RS232	RGC100TSCF
Accessories	
Replacement 531 thermocouple gauge, 1/8 in. NPT	F0472303
Replacement 536 thermocouple gauge, DN 16 ISO-KF	L6141308
Replacement 536 thermocouple gauge, DN 25 ISO-KF	L6141309
Replacement 536 thermocouple gauge, DN 16 CFF (1.33 CFF)	L6141304

NOTE All part number with "S" include the optional set points, RS232, and analog output.

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you can chat live with a vacuum expert.



<https://www.agilent.com/en/product/vacuum-technologies/vacuum-measurement/gauge-controllers/rgc-100-rough-vacuum-gauge-controller>

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