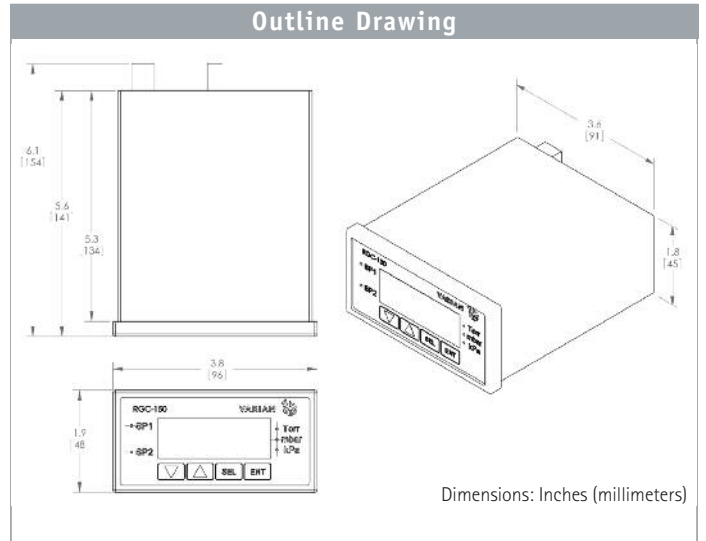


# RGC-150



The Varian RGC-150 Rough Gauge Controller is a cost effective solution for pressure measurements in the  $1 \times 10^{-3}$  torr to 760 torr region.

The RGC-100 package includes the TC tube and cables to provide a pre-calibrated turnkey rough vacuum solution.



## Applications

- General vacuum measurement and control in the rough vacuum range
- Monitor forelines, chamber evacuation and crossover to high vacuum pumps

## Features

Thermocouple gauge – Varian 531 – and controller are pre-calibrated as a set at the factory using a NIST standard

Two easily configured set points

Runs on 100–230 VAC, 50/60 Hz and displays in Torr, mbar and kPa

Large bright LED display

Optional Ethernet connection and software that allows for remote monitoring through a web browser

## Benefits

No calibration required at initial setup

Utilize pressure readings to perform critical operations

Globally compatible

Easily read from across a room or in dimly lit locations

Monitor vacuum performance from a remote location

NOTICE: This document contains references to Varian. Please note that Varian, Inc. is now part of Agilent Technologies. For more information, go to [www.agilent.com/chem](http://www.agilent.com/chem).

# RGC-150

| Technical Specifications         |  |   |
|----------------------------------|--|---|
| Measurement range                | 1 x 10 <sup>-3</sup> to 1013 mbar (1 x 10 <sup>-3</sup> to 760 Torr) |   |
| Accuracy                         | % of reading   | Units   |
|                                  | ± 10%  | 1.3 x 10 <sup>-3</sup> to 1.3 mbar (1 milli Torr 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)                     |
| Vacuum fitting                   | 1/8 inch NPT-M   |   |
| Interface cable length           | 10 ft.   |   |
| Sensor                           | See below  |   |
| Display                          | 0.38 inch high 6 digit red LED                                       |   |
| Dimensions                       | 1.7 inch high, 3.52 inch wide, 5.35 inch deep                        |   |
| Analog output                    | 0-5 VDC  |   |
| Supply voltage                   | 100-240VAC, 50/60 Hz   |   |
| Standards                        | CE, ROHS compliant   |   |
| Optional setpoint controls       | 7A, 250 V  |   |
| Optional communication interface | RS-232   |   |
| Mounting                         | 1/8 DIN rack mount   |   |

| Ordering Information                                      |             |  |
|---|-------------|--|
| Description   | Part Number |  |
| RGC-150 Rough Gauge Controller                            | RGC150      |  |
| RGC-150 Rough Gauge Controller with Ethernet and Software | RGC150E     |  |
| <b>Accessories</b>  |             |  |
| Replacement sensors                                       |             |  |
| 1/8 inch NPT-M  | F0472303    |  |
| KF16  | L6141308    |  |
| KF25  | L6141309    |  |
| 1.33 in CFF   | L6141305    |  |