

Vacuum Gauge Model KJLC615TC

Vacuum Controller with Relays, RS232, and Analog Out

Specifications	
Power:	Wall Plug
Vacuum Interface:	1/8" Male NPT
Sensor:	Varian 531 or 536
Range:	.001-760 Torr
Units:	Torr, mBar, kPa
Accuracy:	0.005 to 9.9 Torr +/- 15% of reading 10 to 160 Torr +/- 50% of reading 160 to 760 Torr +/- 25% of reading
Mount	Bench Top
Wetted Parts:	Nickel, Copper, Constantan
Output:	5 Volts
Set Points:	250VAC and 7Amp

Verify components

- ✓ Controller with LED Display
- ✓ Varian 531 vacuum sensor
- ✓ Cable that connects the controller with the sensor (Sensor cable)
- ✓ Power Adaptor

Quick Install Instructions

- ✓ Plug in the controller and verify that the display lights up
- ✓ Plumb the vacuum sensor into your system, with the pipe threads facing down, and the octal pins facing up
- ✓ Connect the RJ12 end of the sensor cable to the controller, and the octal end to the 531 sensor

Check Readings

- ✓ Verify that the readings make sense. For example, a chamber exposed to atmosphere at sea level might have a reading of 600-760 Torr

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Calibration Points and Reference

Unit Types: Kurt J. Lesker Co. controllers with 0531 Thermocouple Vacuum Gauge Sensor:
KJL615TC, KJL615TCE, Field Analysis Vacuum Meter

All Instruments Are Calibrated Against A NIST Standard and Meet Or Exceed Tolerances

Primary Standards	S/N	Cal. Due	NIST std S/N	Type
FLUKE 87V	#30080454	06/2016	591253	RMS Multimeter
GP 375001-00-T	#375B0619	10/2016	000040312	Gauge, Convectron
SETRA 730G10	4803149	10/2016	000040343	Baratron, ABS Pressure

Reading (STD)	Tolerance	In Tolerance? Outgoing	Comments
1.0 mT	± 1 mT	Yes	Torr per Convectron
25.0 mT	± 10% RDG	Yes	Torr per Convectron
500 mT	± 10% RDG	Yes	Torr per Convectron
1.00 Torr	± 15% RDG	Yes	Torr per Baratron
25.0 Torr	± 50% RDG	Yes	Torr per Baratron
600 Torr	± 25% RDG	Yes	Torr per Baratron

Standards and instruments used in the performance of calibrations by the Kurt J. Lesker Company are maintained in current calibration in an unbroken chain back to the standards maintained by the National Institute of Standards and Technology (N.I.S.T., Gaithersburg, MD, USA).

Formal NIST Certification with Data of a Particular Gauge is Available at an Additional Charge

For Full Instruction Manual:

https://www.lesker.com/newweb/gauges/pdf/manuals/kjl615tck_hmanualk14.pdf

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