

# Vacuum Gauge Model KJLC510TC K/H

Vacuum Controller with KJL6000 or Hastings DV6-M Sensor

Specifications	
<b>Power:</b>	<b>D Battery</b>
<b>Vacuum Interface:</b>	<b>1/8" Male NPT</b>
<b>Sensor:</b>	<b>KJL6000 or Hastings DV6-M</b>
<b>Range:</b>	<b>1 to 1999 milli Torr</b>
<b>Units:</b>	<b>mTorr, uBar, Pa</b>
<b>Accuracy:</b>	<b>0 to 9 milli Torr +/- 1 milli Torr</b> <b>10 to 999 milli Torr +/- 10% of reading</b> <b>1000 to 1999 milli Torr +/- 15% of reading</b>
<b>Mount</b>	<b>Bench Top</b>
<b>Wetted Parts:</b>	<b>Nickel-plated steel, glass, stainless steel</b>
<b>Output:</b>	<b>N/A, if required consider KJL615TC K/H</b>
<b>Set Points:</b>	<b>N/A, if required consider KJL615TC K/H</b>

## Verify components

- ✓ Controller with LCD Display
- ✓ KJL6000 or Hastings DV6-M vacuum sensor
- ✓ Cable that connects the controller with the sensor (Sensor cable)

## Quick Install Instructions

- ✓ Install a D Battery and verify that the instrument powers up
- ✓ Plumb the vacuum sensor into your system, with the pipe threads facing down, and the octal pins facing up
- ✓ Connect the D-Sub end of the sensor cable to the controller, and the octal end to the vacuum sensor

## Check Readings

- ✓ Verify that the readings make sense. Remember that the KJL510TC K/H will be offscale at pressures above 1999 milli Torr (approximately 2 Torr).

**Kurt J. Lesker**  
Company

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### Calibration Points and Reference

**Unit Types:** Kurt J. Lesker Co. controllers with KJL6000 or Hastings DV6-M Thermocouple  
 Vacuum Gauge Sensor: KJL510TC-K, KJL510TC-H

*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 mTorr	$\pm 1$ mT	Yes	mTorr per GP375
10.0 mTorr	$\pm 10\%$ RDG	Yes	mTorr per GP375
25.0 mTorr	$\pm 10\%$ RDG	Yes	mTorr per GP375
500 mTorr	$\pm 10\%$ RDG	Yes	mTorr per GP375
999 mTorr	$\pm 10\%$ RDG	Yes	mTorr per GP375
1000-1999 mTorr	$\pm 15\%$ RDG	Yes	mTorr per GP375

*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/kjl510tck\\_hmanualk14.pdf](https://www.lesker.com/newweb/gauges/pdf/manuals/kjl510tck_hmanualk14.pdf)

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