

Issue	Possible Cause	Possible Solution
<p>Readings appear very different from expected pressure</p>	<p>The process gas is different from the gas used to calibrate the 275</p> <p>Gauge has not been calibrated or has been calibrated incorrectly</p>	<p>Correct readings for different gas thermal conductivity. See controller User Manual (Pages 19-21 of KJLC 375 Controller Manual)</p> <p>Check that zero and span are adjusted correctly (Pages 15-16 of KJL 375 Controller Manual)</p> <p>Set Vac: have the chamber evacuated to a pressure below 1.00×10^{-4} Torr</p> <p>Go to SET VAC screen when the system is below 1.00×10^{-4} and press the PRESS TO SET VAC key.</p> <p>Set ATM: have the chamber at atmospheric pressure</p> <p>Go to SET ATM screen. When the pressure is stable, adjust the displayed pressure reading on the 375 to the known value using the INCR (increase) or DECR (decrease) keys. Press the SAVE/EXIT key to save the new atmospheric (span) pressure value. For example, if your known local uncorrected barometric pressure is 760 Torr, enter 760 in the SET ATM screen. The main pressure measurement screen will now display 760 Torr while the gauge is at atmosphere.</p>
<p>Readings are noisy or erratic</p>	<p>Loose cables or connections</p> <p>Contamination</p> <p>Vibration</p>	<p>Check or tighten connections</p> <p>Inspect gauge for signs of contamination such as particles, deposits, discoloration on gauge inlet. Contact sales@lesker.com for Cleaning Guide</p> <p>Ensure gauge is not mounted where excessive vibration is present</p>
<p>Gauge cannot be calibrated - zero and span can't be adjusted</p>	<p>Contamination</p> <p>Sensor Failure for other cause</p>	<p>Contact sales@lesker.com for Cleaning Guide and pinout for resistance check. These are also available on the 275 page via lesker.com</p> <p>Contact sales@lesker.com for replacement gauge</p>

<p>Controller displayed pressure is too high and cannot be set to correct value</p>	<p>Contamination</p> <p>Sensor wire damage</p>	<p>Contact sales@lesker.com for Cleaning Guide and pinout for resistance check. These are also available on the 275 page via lesker.com</p> <p>Contact sales@lesker.com for replacement gauge</p>
<p>Controller displayed pressure is too low and cannot be set to correct value</p>	<p>Contamination</p> <p>Sensor wire damage</p>	<p>Contact sales@lesker.com for Cleaning Guide and pinout for resistance check. These are also available on the 275 page via lesker.com</p> <p>Contact sales@lesker.com for replacement gauge</p>

If none of these steps help alleviate the issues, please contact sales@lesker.com with the Troubleshooting form as well as provide the R&D and Resistance Values (see Error Message - EMIS FAIL for instructions on how to obtain these values)



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