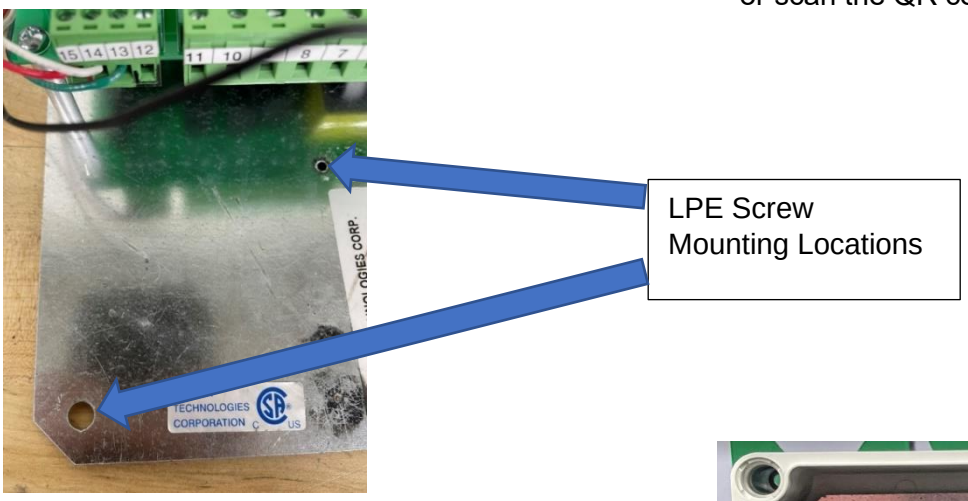
LPE Board Quick Setup Guide with Vari-Level LB Controller

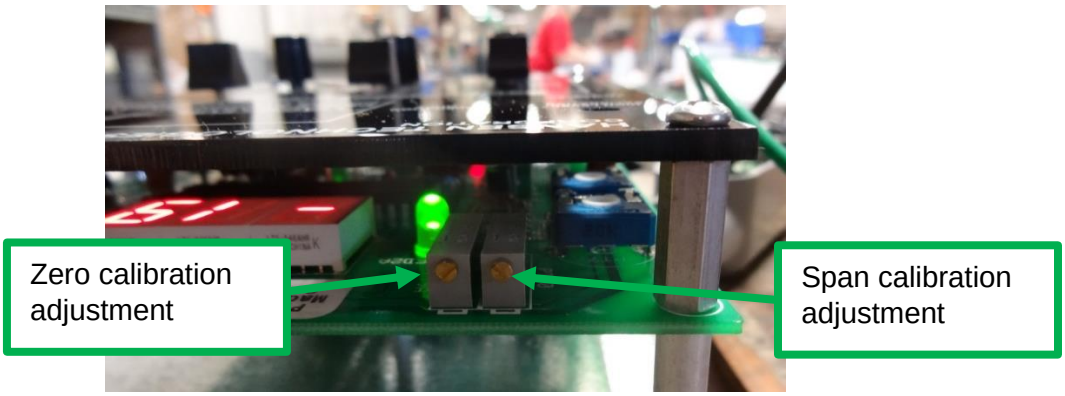
1. Disconnect power to the LB controller, then remove the LP Probe and its wires from connector block.
2. If applicable, remove the MOD420 board from the LB back plate. Ribbon cable will not be needed.
3. Calibrate the WLT probe with the M12/USB cable connected to a computer and using the Hansen configuration tool. Available at https://www.hantech.com/product-list/wire-level
4. Disconnect the M12/USB cable.
5. Mount the LPE module to the LB back plate using mounting locations as shown below.

For the Bulletin go to:
https://www.hantech.com/product-list/vari-level
or scan the QR code



6. Wire the M12 cable with flying leads to the LPE module. Wire the LPE module into the LB controller as shown on page 2.
7. Loosen the two bottom screws holding the back plate.
8. Unscrew the two top screws holding the back plate and tip the top of the assembly forward to gain access to the liquid level calibration screws.
9. Power ON the LB controller.
10. Lower the liquid level to 0% in the level column. Adjust the zero calibration screw on the top of the LB board until the board reads -00.
11. Raise the liquid level to a known level (typically 50%). Adjust the span calibration screw until the board reads this percentage.

Note: Steps 10 and 11 can be completed with a 4-20 mA generator to avoid manipulating the vessel liquid level. For more details refer to the Vari-Level Bulletin. Scan QR code on page 1.



12. Power OFF the LB control unit.
13. Screw back the two top screws and tighten the two bottom screws.
14. Installation Complete.

Optional: For sending 4-20 mA level signal to plant PLC MOD420 replacement.

1. **Caution! The LPE board outputs 24 VDC. Do not connect external power supply!** Connect (+) and (–) 4 to 20 mA control signal wires into plug J3. Please keep in mind that polarity of these wires matters, take care not to reverse them.
2. Remove jumper on pins J4 (refer to wiring schematic). Note that if you are not using the 4 to 20 mA signal J4 jumper should be inserted or you may experience inaccurate signals to LB control unit.