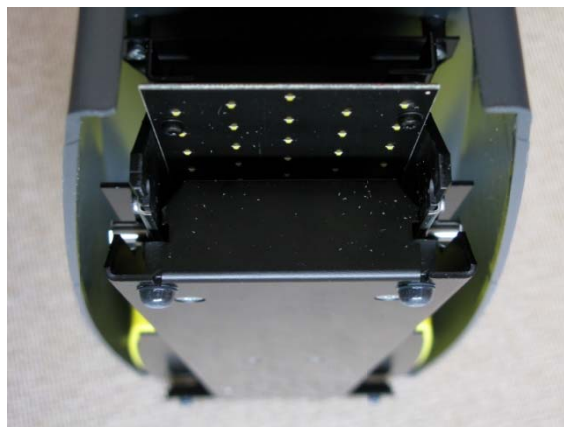


## LTL-XL - Calibration

The LTL-XL is factory calibrated and very stable but a calibration should always be carried out before starting a new series of measurements. The instrument is supplied with a calibration unit to carry out a fast and easy calibration.



Back



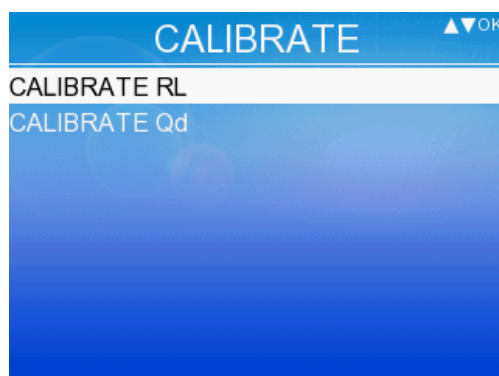
Front

Figure: Placing the calibration unit

### *Calibration procedure*

- Before mounting the calibration unit check the RL and Qd values stamped on the calibration unit. Place the instrument upon the calibration unit and pull back until the pins at the back and front of the LTL-XL are in place, see the figure above. Please be very careful when you place the instrument on the calibration plate not to damage the calibration unit and / or the light diodes

Press the CALIBRATION button  once. Select CALIBRATE RL or CALIBRATE QD.



Continue the calibration process applying the following steps

- Check the value displayed and, if necessary, adjust the calibration value shown in the display so it matches the value stamped on the calibration unit.



- Press the OK button to finish the calibration or repeat if erroneous.
- Repeat the calibration process for the other measure ( RL, Qd)

The calibration procedure is now complete. To check the calibration make a normal measurement on the calibration unit. The recorded values should be with +/- 1-2 units of the values stamped on the calibration unit. Remove the calibration unit and store it properly. Press OK to return to the measurement display.

The instrument automatically compensates for zero signal, leakage and other known errors, and calculates a calibration factor.

**Always store the calibration unit in a dry and clean environment.**