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Testo 552 Field Calibration – for non-Bluetooth models only

The Testo 552 contains a maintenance-free absolute pressure sensor. A trade-off of the maintenance-free capability of this sensor is that it has to be zeroed to a vacuum pump of a known satisfactory performance.

The zeroing function is referred to in the 552 instruction manual as **"Field calibration"** and is started by first connecting the Testo 552 to the vacuum pump, and running the vacuum pump for at least 3 minutes to ensure minimum pressure has been reached. The zeroing function then needs to be activated by holding the "Set" and "Δ" buttons (two buttons circled in the picture) simultaneously:

If a Testo 552 has been zeroed to a vacuum pump of poor or substandard performance, then a "0 microns" reading on the 552 will be considered very inaccurate. To fix this issue, first a vacuum pump of satisfactory performance must be identified, in order to use the function known in the manual as **"Calibration with reference vacuum gauge".** Then, the Testo 552 must be connected to this vacuum pump and the vacuum pump run for at least 3 minutes to ensure minimum pressure has been reached. Then, enter the calibration/adjustment mode by holding the "*" and "Δ" buttons (two buttons circled in the picture) simultaneously:

Next, press the "Δ" multiple times until a reading of at least 100 microns is reached before holding the "*" and "Δ" buttons simultaneously again. The 552 now assumes that the vacuum pump pulls down to 100 microns. This way, if a vacuum pump capable of even lower pressures is used, the 552 will be able to show this.