

Zero-adjustment of pressure gauge with micro adjustment pointer

1 Introduction

Small measuring errors or deviations caused by difference in level between pressure gauge and point of measurement can be corrected on measuring devices with micro adjustment pointer, by turning the adjusting screw on the pointer hub. Similarly, zero point offset caused by use and long service life can be checked from time to time and corrected if necessary.

2 Zero-point correction

only for devices with case filling:
Remove filling plug. Empty housing and collect the filling fluid.



Open bayonet ring housing by turning it counter-clockwise.



suitable tool:
e.g. oil filter wrench with flexible strap

Set the micro-adjustment pointer as desired with a suitable screwdriver, holding the pointer with the other hand.



only for devices with case filling: Set the pointer below zero because the pointer floats slightly due to the case filling.

Rule of thumb depending on display range:

- up to 6 bar: about two pointer widths below 0 bar
- greater than 6 bar: up to 16 bar approx. one pointer width below 0 bar

pressure gauge without case filling

→ set pointer exactly to 0 bar



pressure gauge > 6 bar with case filling

→ set pointer one pointer width below 0 bar



Close bayonet ring housing by turning it counter-clockwise.



only for devices with case filling: Refill the collected filling fluid and close housing with filling plug.