



Regarding the mounting options and external architecture, electronic position indicators GN 9054 with LCD display are very similar to mechanical position indicators GN 954 and can normally be substituted for the latter.

The special advantage of the electronic position detection lies in the programming capability of the display options of the position indicator. Using the 3 operating buttons, the following settings may be selected:

- selecting between incremental or absolute measurement mode
- changing the unit of measure (mm, inch or degree)
- resetting the counter or selecting a predefined offset value
- changing the display after one turn of the shaft,
- determining the resolution, i.e. the number of decimal points displayed
- determining the direction of rotation / direction of counting
- determining the display orientation (as a factor of the installation position), and
- specifying the maximum speed of rotation.

The installed lithium battery has a life of over 5 years. Time to replace the battery is indicated by a symbol on the display. Battery replacement is easy - simply remove the front cover.

Due to the high protection class IP 65 or IP 67, the position indicator is suitable for applications in which frequent washing is required, including even direct water jet exposure.

Other important details and tips are given in the operating instructions for position indicators GN 9054 which are included with every position indicator. Instructions are also available as PDF downloads from „www.ganternorm.com“ under „Service“.

## Installation instructions

Before installation the position indicator, a locating hole must be made on the machine side for the torque limiting contact point, according to the drawing (see left).

With the **mounting adaptor bushings GN 952.1** (→ Page 412), the hollow shaft (with bore 14 H7) of the position indicator can be adapted to fit the spindle.

If a reduction in the diameter of the hollow shaft is to be made at the same time as mounting a control knob, **control knobs GN 957** (→ Page 413) are available which combine both functions in a single component.

The position indicator is mounted with the torque limiting contact point inserted in the bore hole, to stabilize the housing in place. The hollow shaft is mounted to the spindle and secured with the grub screw.

With **clamping plates GN 9054** (→ Page QVX) spindles can be clamped and secured after adjusting.

