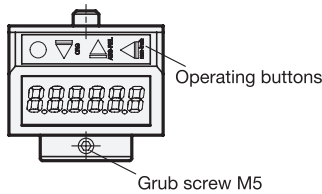


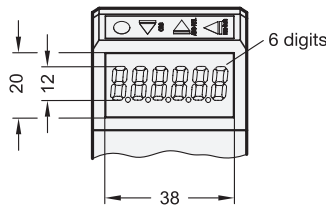
Identification no.

- 1 Protection class IP 65
- 2 Protection class IP 67

Top view



View on the LCD display



Specification



- Housing
Plastic (Polyamide PA)
- Orange, RAL 2004 ● **OR**
- Gray, RAL 7035 ● **GR**
- Temperature resistant up to 50 °C
- Oil and solvent resistant
- LCD-Display
6 digits and special characters
- Hollow shaft
Stainless steel AISI 304
- Seal
O-Ring
Rubber NBR (Perbunan®)
(only for identification no. 2)
- *ISO Fundamental Tolerances* → Page 2151
- *IP Protection Classes* → Page 2153
- *Plastic Characteristics* → Page 2158
- *Stainless Steel Characteristics* → Page 2166
- **RoHS**

Information

Electronic position indicators GN 9053 with LCD display are extremely versatile in use, with virtually every counting option selectable directly at the device via the operating keys. The power necessary for the display is supplied by a long-life battery.

The indicators are plugged directly onto the spindle via their hollow shaft, with the torque support defining the position for the mounting site. Mounted in this way, the indicators will detect the rotary spindle movement and show the appropriate value on the display.

Both housing sections are ultrasonically welded, making the housing highly tight, stable and compact.

The foam rubber seal prevents the transmission of vibrations and also acts as a seal.

see also...

- *More Information to Position Indicators* → Page 394
- *Adapter Bushings GN 952.1 (for Position Indicators)* → Page 412
- *Control Knobs GN 957 (for Position Indicators)* → Page 413
- *Position Indicators GN 953 (Mechanical Counter)* → Page 396
- *Clamping Plates GN 953.6 (for Position Indicators)* → Page 414

On request

- Housing
Plastic (Polyamide PA)
Black-gray, RAL 7021

How to order

GN9053-2-OR

- 1 Identification no.
- 2 Color

The electronic position indicators GN 9053 with an LCD display are very similar to the mechanical position indicators GN 953 (→ Page 396) with regard to installation and external dimensions and can normally replace them (see "Further information for position indicators" → Page 394).

The special advantage of the electronic position detection lies in the programming capability of the display options of the position indicator. Using the 4 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 8 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 9053 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 9053.6** (→ Page XYZ), spindles can be clamped and secured after adjusting.

