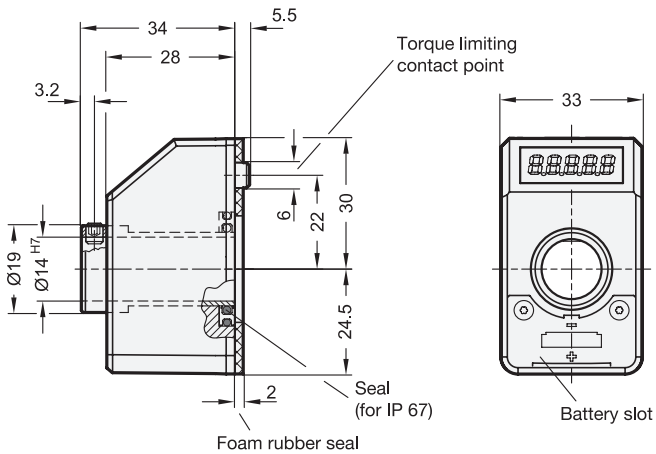
Position indicators,

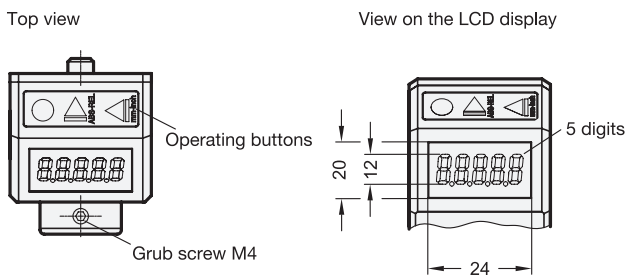
electronic, with LCD display (digital indication)



ELESA original design DD51-E

1 Identification no.

1 Protection class IP 65
2 Protection class IP 67



Specification

- Housing
  Plastic (Polyamide PA)
  - orange, RAL 2004 **OR**
  - grey, RAL 7035 **GR**
  - temperature resistant up to 50 °C
  - oil and solvent resistant
- LCD-Display
  5 digits and special characters
- Hollow shaft
  Stainless Steel AISI 304
- Sealing
  O-Ring
  Rubber NBR (Perbunan®)
  (only for identification no. 2)
- *ISO-Fundamental tolerances* → *Page 1479*
- *IP-Protection classes* → *Page 1482*
- *Plastic characteristics* → *Page 1483*
- *Stainless Steel characteristics* → *Page 1489*
- RoHS

On request

- Housing
  Plastic (Polyamide PA)
  black-gray, RAL 7021 **SG**

Information

Electronic position indicators GN 9054 with LCD display are extremely versatile, with virtually every incremental measurement option selectable directly on the device via the operating buttons. The power necessary for the display is supplied by a long-life battery.

Indicators are mounted directly onto the spindle via their hollow shaft, with the torque limiting pin, determining the location of 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 very tightly seated, stable and compact.

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

see also...

- *more information for position indicators* → *Page 294*
- *Control knobs for position indicators GN 957* → *Page 307*
- *Adapter bushings GN 952.1* → *Page 306*
- *Postition indicators GN 954* (counter mechanism) → *Page 298*

How to order

GN 9054-2-OR

1	**Identification no.**
2	**Color**

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.

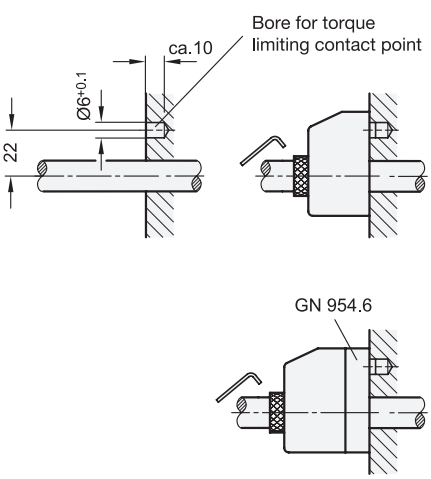
The special advantage of the electronic position detection lies in the programming capability of the display options of the position indicator. Using the 3 operating buttons, the following settings may be selected:

- 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.ganter-griff.com“ under „Service“.



Installation instructions

Before installation of the position indicator, a bore hole for the torque limiting contact point is to be drilled, as shown in the in the adjacent drawing.

With the **mounting adaptor bushings GN 952.1** → *Page 306*, 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 307) are available which combine both functions in a single component (no adaptor bushings required).

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 954.6** → *Page 308*, spindles can be clamped and secured after adjusting.