

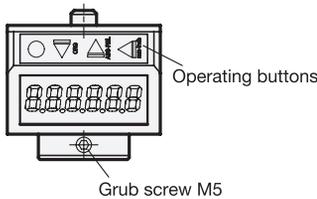
**elesa**  
Original design DD52R-E



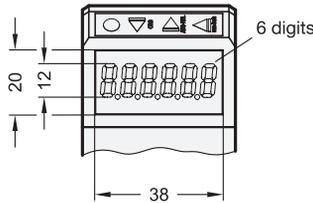
**1 Identification no.**

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

Top view



View on the LCD display



**Specification**

**Housing**

Plastic, polyamide (PA)

- Color
  - Orange, RAL 2004, shiny finish
  - Gray, RAL 7035, shiny finish
  - Black-gray, RAL 7021, shiny finish
  - Blue, RAL 5005, shiny finish
- Operating temperature 0 °C to +50 °C
- Oil and solvent resistant

- **OR**
- **GR**
- **SG**
- **BL**

**LCD-Display**

6 digits and special characters

**Hollow shaft**

Stainless steel AISI 304

**O-ring for identification no. 2**

Acrylonitrile butadiene rubber (NBR)

RoHS

**Accessory**

Accessory	Page
GN 952.1 Adapter Bushings	QVX
GN 9053.6 Clamping Plates	QVX
GN 957 Control Knobs	QVX
GN 957.1 Control Knobs	QVX

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... Page

GN 953 | GN 953.2 Position Indicators (Mechanical Counter) QVX

GN 9153 Position Indicators (Electronic, with Data Transmission via Radio Frequency) QVX

**Technical Information**

Range of Position Indicators	QVX
Further Information for Position Indicators	QVX
ISO Fundamental Tolerances	QVX
IP Protection Classes	QVX
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

**How to order**

**GN 9053-2-OR**

- 1 Identification no.
- 2 Color

## Configurable Display Options

The particular advantage of electronic position indicators is their programmability. Almost any desired counting option can be set directly on the device using the function buttons.

The following settings can be configured using the 4 function buttons:

- Selecting incremental or absolute measurement mode
- Changing the unit of dimension (mm, inch or degree)
- Resetting the counter or setting an offset value
- Changing the display value after one turn
- Changing the resolution, i.e. the number of displayed decimal places
- Changing the direction of rotation or counting
- Changing the display orientation (based on the installation orientation)
- Setting the maximum speed of rotation

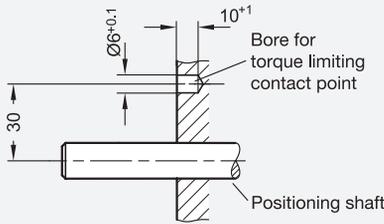
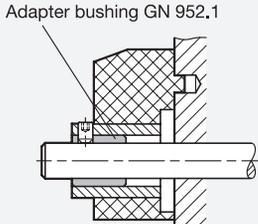
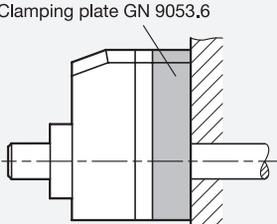
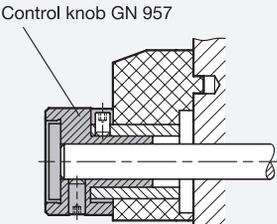
The lithium battery is included in the scope of delivery and has a service life of up to 5 years. Time to replace the battery is indicated by a symbol on the display. Battery replacement is easy - simply remove the front cover.

The position indicators are available with protection class IP 65 or IP 67 and are suitable for corresponding ambient conditions.

## Installation Instructions and Accessory

The electronic position indicators GN 9053 are very similar to the mechanical position indicators GN 953 / GN 953.2 → Page XYZ with regard to installation and external dimensions and can normally replace them.

See "Further information for position indicators" → Page XYZ.

<p>When mounting the position indicator, an appropriately situated mounting hole is required for the torque support.</p>	<p>If the position indicator is used with smaller shaft diameters, the hollow shaft diameter <math>\varnothing 20\text{ H7}</math> can be reduced with <b>adapter bushings GN 952.1</b>.</p>
 <p>Technical drawing showing a positioning shaft with a bore for torque limiting contact point. Dimensions include a bore diameter of <math>\varnothing 6 \pm 0.1</math>, a length of <math>10 \pm 1</math>, and a shaft diameter of 30.</p>	 <p>Technical drawing showing an adapter bushing GN 952.1 installed on a shaft.</p>
<p><b>Clamping plates GN 9053.6</b> can be used to clamp spindles after adjustment to secure them against independent or accidental turning.</p>	<p>If reduction is desired in addition to installation of a control knob, <b>control knobs GN 957</b> are available, which combine both functions in a single element.</p>
 <p>Technical drawing showing a clamping plate GN 9053.6.</p>	 <p>Technical drawing showing a control knob GN 957.</p>

## Security Information

The information in the operating instructions must be observed during installation, initial operation, and use. These are enclosed with the product or are provided digitally on the product page at [ganternorm.com](http://ganternorm.com).

