

Inch | Metric



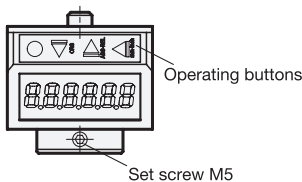
elesa
Original design DD52R-E

SS Stainless Steel

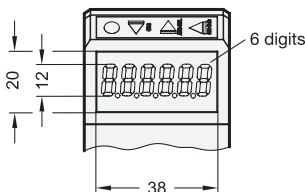
2 Identification no.

- 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

- OR
- GR
- SG
- BL

- Operating temperature
32 °F to 122 °F (0 °C to +50 °C)
- Oil and solvent resistant

LCD display

6 digits and special characters

Hollow shaft

Stainless steel AISI 304

O-ring for identification no. 2

Acrylonitrile butadiene rubber (NBR)

RoHS

Technical Information

Overview of Digital Position Indicators, with Hollow Shaft	QVX
Further Information for Position Indicators	QVX
ISO Fundamental Tolerances	QVX
IP Protection Classes	QVX
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

Digital position indicators EN 9053 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 assembled directly onto the spindle via their hollow shaft, with the torque limiting pin 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 extremely tight, stable and compact.

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

see also...	Page
EN 953 Digital Position Indicators (Mechanical Counter)	QVX
EN 9153 Digital Position Indicators (Electronic, with Data Transmission via Radio Frequency)	QVX

Accessory

EN 952.1 Mounting Adaptors	QVX
GN 9053.6 Clamping Plates	QVX
GN 957 Control Knobs	QVX
EN 957.1 Control Knobs	QVX

How to order

EN 9053-B3/4-1-OR

- 1 Bore d
- 2 Identification no.
- 3 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.

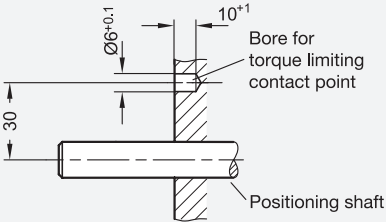
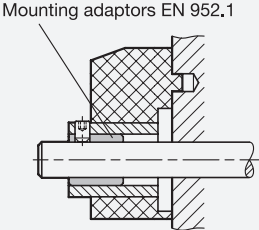
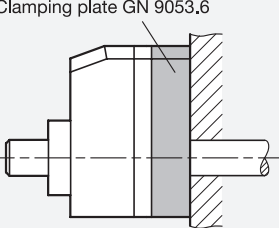
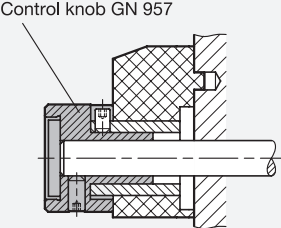
The following settings can be configured using the 4 function buttons:

- Selecting 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)
- Specifying 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.

Mounting Instructions and Accessory

The electronic position indicators EN 9053 with an LCD display are very similar to the mechanical position indicators EN 953 / EN 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 Ø 20 H7 can be reduced with adapter bushings EN 952.1.</p> 
<p>Clamping plates GN 9053.6 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, control knobs GN 957 are available, which combine both functions in a single element.</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.