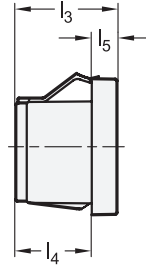
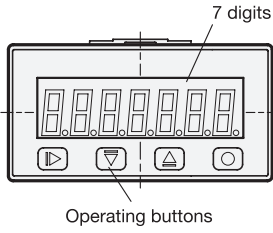


**Display**



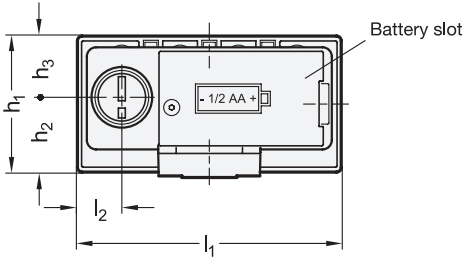
**1 Identification no.**

- 1 Protection class IP 54
- 2 Protection class IP 67

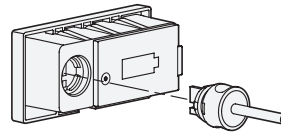
**2 Coding**

- E No wireless data transmission

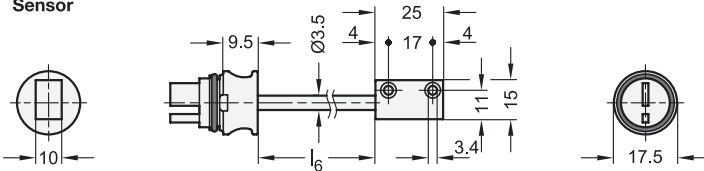
**View from rear**



**Assembly instruction**



**Sensor**



**3**

$l_6$ In meters (cable length)	$l_1$	$l_2$	$l_3$	$l_4$	$l_5$	$h_1$	$h_2$	$h_3$
0,2	72	12	28	21	7	37	20,5	16,5
0,3								
0,5								
0,8								
1,2								
2								
2,5								

**Information**

- Housing  
Plastic (Polyamide PA)  
- Glass fiber reinforced  
- Black, matte finish
- Retaining clip  
Technopolymer (Polyacetal, POM)  
Black, matte finish
- LCD display  
Plastic (Polycarbonate PC)
- Sensor  
Zinc die casting, nickel-plated
- Cable (outer sheath)  
PVC sheathing  
Plug, glass fiber reinforced polyamide (PA), black, NBR O-ring
- *Elastomer Characteristics* → Page QVX
- *Plastic Characteristics* → Page QVX
- RoHS

**Specification**

Magnetic measuring systems GN 7110 and magnetic bands GN 7110.2 together form a complete system for length and angle measurement. They are suitable for applications requiring frequent adjustments, such as at cutting and trimming stations.

see also...

- *Magnetic Bands GN 7110.2* → Page QVX

**How to order**

**GN 7110-1-E-1,2**

1	Identification no.
2	Coding
3	$l_6$ (cable length)

1.1  
1.2  
1.3  
1.4  
2.1  
2.2  
2.3  
2.4



Electrical and Mechanical Properties	
<b>Tension feed</b>	Lithium battery 1/2 AA 3,6 V
<b>Battery life</b>	3 years
<b>Display</b>	7-digit LCD display, 12 mm high with special character support
<b>Reading scale</b>	-199999; 999999
<b>Number of decimal digits</b>	programmable (see operating instruction)
<b>Units of measure</b>	mm, inch or degrees (programmable)
<b>Max operating speed</b>	1 - 5 m/s 1 - 5 m/s programmable (reading speed affects battery life)
<b>Resolution</b>	0.01 mm / 0,001 in / 0,01°
<b>Precision</b>	± 0.03 mm
<b>Repeatability</b>	0.0002 x L mm (L = value measured in mm)
<b>Self-diagnostic</b>	Battery check, sensor check, magnetic tape check
<b>Reverse voltage protection</b>	Yes
<b>Temperature range</b>	0 °C ... 50 °C
<b>Operating environment</b>	Internal use
<b>Relative humidity</b>	Max. 95% at 25°C (without condensation)

## Configurable Display Options

One advantage of using an electronic positioning device lies in the wide range of display options of the magnetic measuring system.

The following settings can be configured with 4 multifunction keys:

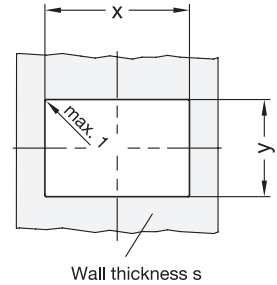
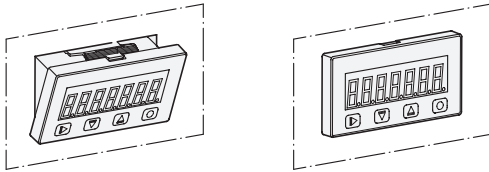
- Selecting incremental or absolute measuring mode
- Changing the unit of measurement (mm, inch or degrees)
- Resetting the counter or setting an offset value
- Storage and display of 32 target positions

The lithium battery has a lifespan of over 3 years. A display symbol indicates when the battery needs to be replaced. The battery can be easily replaced by removing the rear cover. If the battery is replaced within 5 seconds, the buffer power supply prevents the loss of the configured parameters.

Other important information and instructions can be found in the operating manual. This is included with every measuring system and can be downloaded from [www.ganternorm.com](http://www.ganternorm.com) in the "Service" section.

### Assembly Instruction

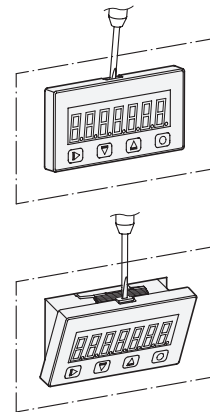
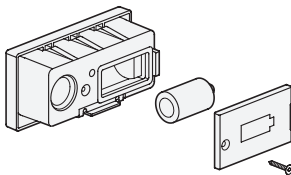
- 1) Please use the dimensions as per the table for the cutout in the housing.
- 2) Deburr the cutout before inserting the display.
- 3) At first, insert the display at the bottom of the opening.
- 4) Then press in the upper part until it snaps completely into place.



Wall thickness $s$	$x + 0,2$	$y - 0,5$
$> 0,7 \dots 2$	67	34

### Battery Replacement Instructions

- 1) Take out the unit by pressing down on the retaining clip at the top of the housing using a slotted screwdriver.
- 2) Remove the screw on the back side of the housing, and take off the cover.
- 3) Replace the battery, taking care to match the polarity correctly (see the position indicated on the cover). If the battery is replaced within 5 seconds, the buffer power supply prevents the loss of the configured parameters.



### Application Example

To ensure an accurate measurement, the distance between the sensor and the magnetic band should not exceed 1 mm. The sensor can be mounted using M3 screws.

