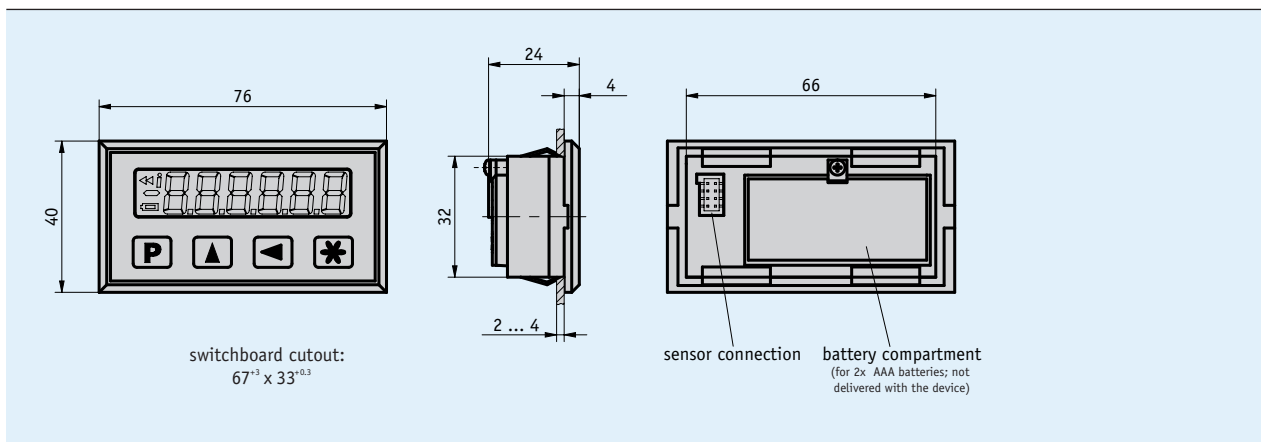


### Profile

- Display accuracy max. 10 µm
- Repeat accuracy max. ±0.01 mm
- Lowest-power LCD
- Metric or decimal-inch indication
- Incremental measurement and reset function
- Direct reference/offset value input
- Battery-buffered memory
- Battery operation
- MS500H sensor pluggable



### Mechanical data

Feature	Technical data	Additional information
Housing design	built-in housing, plastic	switchboard cutout 67 <sup>+3</sup> x 33.5 <sup>+0.3</sup>

### Electrical data

Feature	Technical data	Additional information
Operating voltage	3 V DC	
Current consumption	~150 µA	at 3 V DC
Display/dispaly range	low-power LCD, ~11 mm height -999999 ... 999999	decimal to 10 µm
Battery monitoring	~2.4 V DC	low-batt symbol
Type of connection	integrated battery compartment	supply

### System data

Feature	Technical data	Additional information
Resolution	0.01, 0.05, 0.1, 1 mm 0.001, 0.01 inch	programmable angle display
System accuracy	±(0.1 + 0.01 x L) mm, L in m ±(0.05 + 0.01 x L) mm, L in m	optional
Repeat accuracy	±0.01 mm	±1 digit
Travel speed	≤5 m/s	

## Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	0 ... 60 °C	
Storage temperature	-10 ... 70 °C	
Relative humidity	≤95 %	condensation inadmissible
EMC	EN 61000-6-2	interference resistance / immission
	EN 61000-6-4	emitted interference / emission
Protection category	IP40 whole device	EN 60529
	IP54 at the front	EN 60529

## Order

### ■ Ordering information

one or more system components are required:

Magnetic sensor MS500H ML  
Hollow shaft sensor GS04

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### ■ Order key

MA504/1 - EG - S - SF-85792

*Scope of delivery:* MA504/1, Mounting instructions

**Accessories:**  
Mounting bracket ZB3004

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