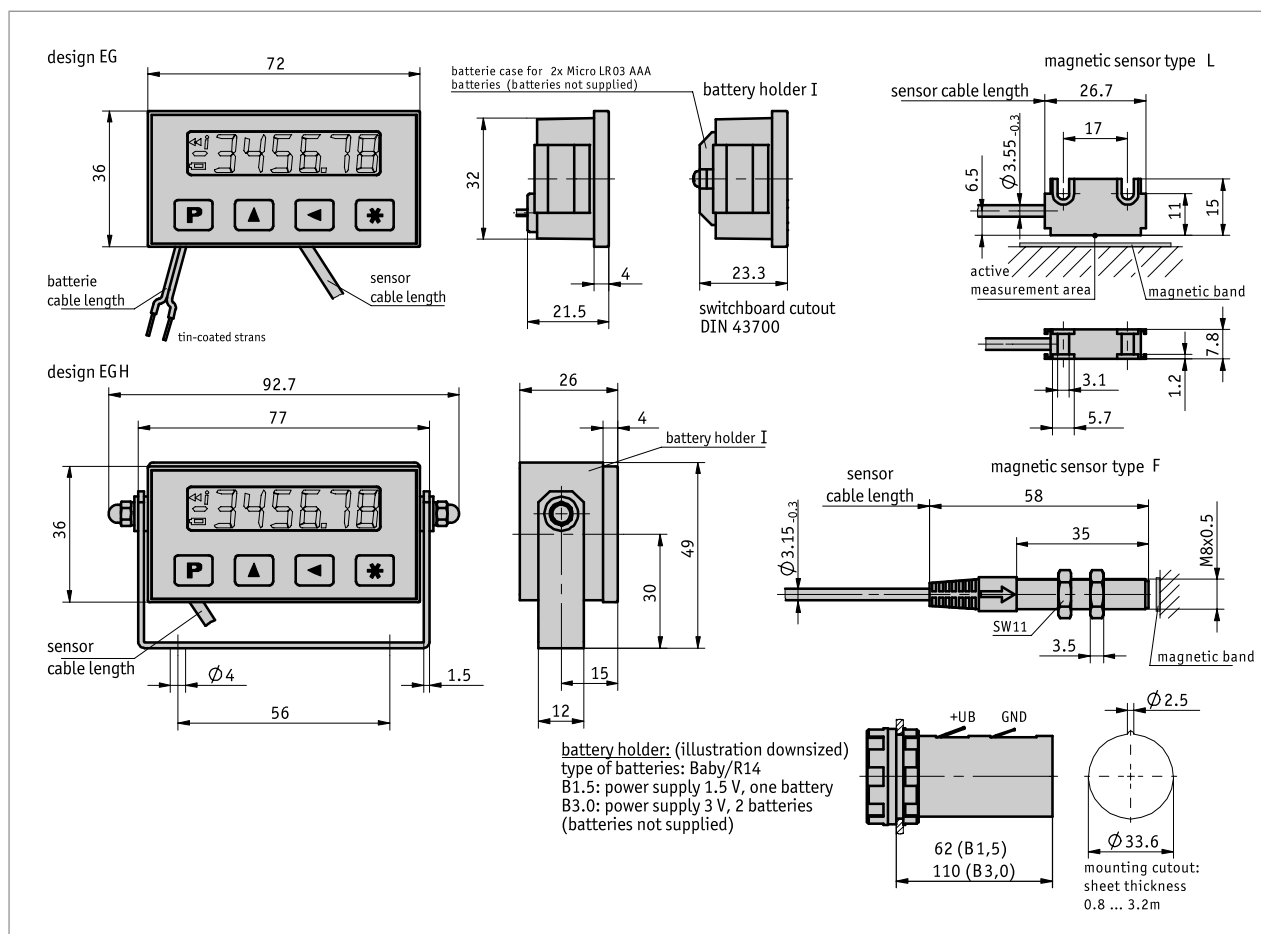
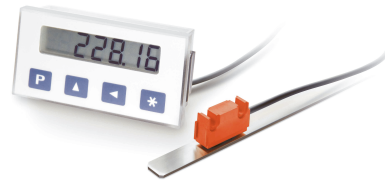


- Display accuracy max. 10 μ m
- Repeat accuracy max. ± 0.01 mm
- Lowest-power LCD
- Metric or decimal-inch indication
- Incremental measurement and reset function
- Direct reference/offset value input



Feature	Technical data	Additional information
Housing	plastic (transparent)	Control panel excerpt 68 ^{+0.7} x 33 ^{+0.6} IEC 61554
Sensor/band reading distance	≤2 mm	
Cable sheath	PVC	6-core ø3.55 _{-0.3} mm

Electrical data

Feature	Technical data	Additional information
Operating voltage	1 ... 3.3 V DC	
Current consumption	≤170 µA at 1.5 V DC ≤350 µA at 3 V DC	<50 µA standby <100 µA standby
Display/display range	6-digit LCD 7-segment	-999999 ... 999999

System data

Feature	Technical data	Additional information
Resolution	≤0.01 mm	
System accuracy	±(0.1 + 0.01 × L) mm, L in m at T ₀ = 20° C	MB500 magnetic strip
Repeat accuracy	±1 Increment(s)	
Travel speed	≤5 m/s	

Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	0 ... 60 °C	
Storage temperature	-30 ... -80 °C	
Relative humidity		condensation inadmissible
Protection category	IP40 whole device IP54 at the front IP67 sensor	EN 60529 EN 60529 EN 60529

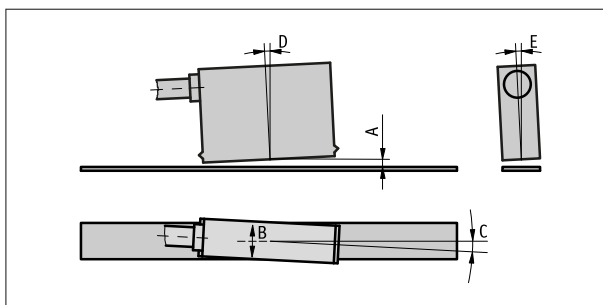
pin assignment

Signal	Cable color
GND	black
+UB	red

Hint for mounting

A , Sensor/tape reading distance	≤2 mm
B , Lateral offset	±2 mm
C , Alignment error	±3°
D , Longitudinal inclination	±1°
E , Lateral inclination	±3°

 The length of the cable between the sensor and connector cannot be subsequently increased or decreased.



Symbolic representation

Order

■ Ordering information

One or more system components are required:
Magnetic tape MB500/1 www.siko-global.com

■ Ordering table

Feature	Ordering data	Spezifikation	Additional information
design	A EG	Rack	
		Rack with mounting bracket	
Magnetic encoder	B L	rectangular	
		round	
sensor cable length	C ...	0.30 in m	
		0.20, 0.50, 1.0, 1.5, 2.0, 2.5, 3.0 in m	
		others on request	
battery cable length	D ...	0.2, 0.5, 1.0, 2.0 in m	
		others on request	
Electrical connection	E OA	without external connection	integrated battery holder
		flying leads	external battery holder
battery holder	F I	integrated	
		with external 1.5 V battery holder	only with electrical connection L
		with external 3 V battery holder	only with electrical connection L
		without battery holder	only with electrical connection L

■ Order key

MA504 -

A

 -

B

 -

C

 -

D

 -

E

 -

S

 - SF-82597 -

F



Scope of delivery:
MA504, Fastening set, Distance gage, Quick Start Guide