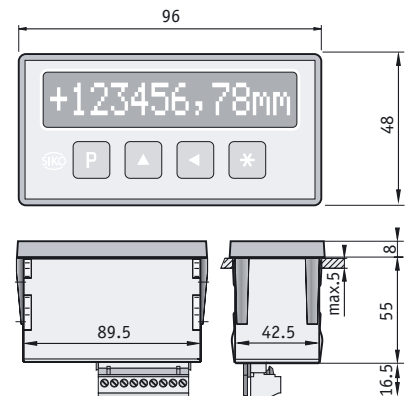


Magnetic Display MA502

This display serves to interpret information from the incremental MS500 magnetic sensor for distance and angle measurement. The display parameters are comprehensive and individually programmable. Optionally equipped with serial interface and integrated power unit.



Features

- high-contrast 12-digit LCD, dot matrix
- integrated translation module for length and angle measurement
- incremental/reset function
- input for reference switch
- programmable last value memory
- direct input of reference/offset value
- option: 2 measuring channels

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Feature	Ordering data	Technical data	Additional information
Design	EG	A panel-mount housing, cutout 92 x 45 mm	standard , Noryl GFN 2 SE 1, as snap-in module
	TG		
Operating voltage	4	B 24 V DC $\pm 20\%$	standard
	1		
	2		
Reference connection	RM	C with connection	standard
	RO		
Interface / protocol	XX/XX	D without	standard
	S1/00		
Switching output	S0	E without	standard
	SM		
Input	1	F one channel	standard
	2		
Software	S	G for two channels	standard
	SW01		
Magnetic sensor		MS500	incremental
Display / display range		12-digit LCD dot matrix	-9999999 ... 9999999 + sign + units
Connection		sensor: Mini-DIN	supply: 9-pin screwed terminal strip (EG)
Travel speed		max. 5 m/s (of the magnetic sensor)	with 0.1–2.0 mm band/sensor gap
Resolution		in mm 0.01/0.1/1/10	in inch 0.001/0.01/0.1/1, angles 0°–90°–0° / 0°–360°
Repeat accuracy		± 1 digit	
System accuracy		$\pm (0.05 + 0.01 \times L)$ mm [L in m]	at $T_U = 20^\circ\text{C}$
Protection class, test mark		3 according to IEC 801	CE
Signal input		reference switch	
Temperature range		working temperature: 0 ... +50 °C	storage temperature: -20 ... +80 °C
Type of protection		IP 40 acc. to DIN 40050 for whole unit	IP 60 acc. to DIN 40050 for control panel inclusion
Humidity		95 % rH	condensation not permitted

Your order:

MA502

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A

B

C

D

E

F

G