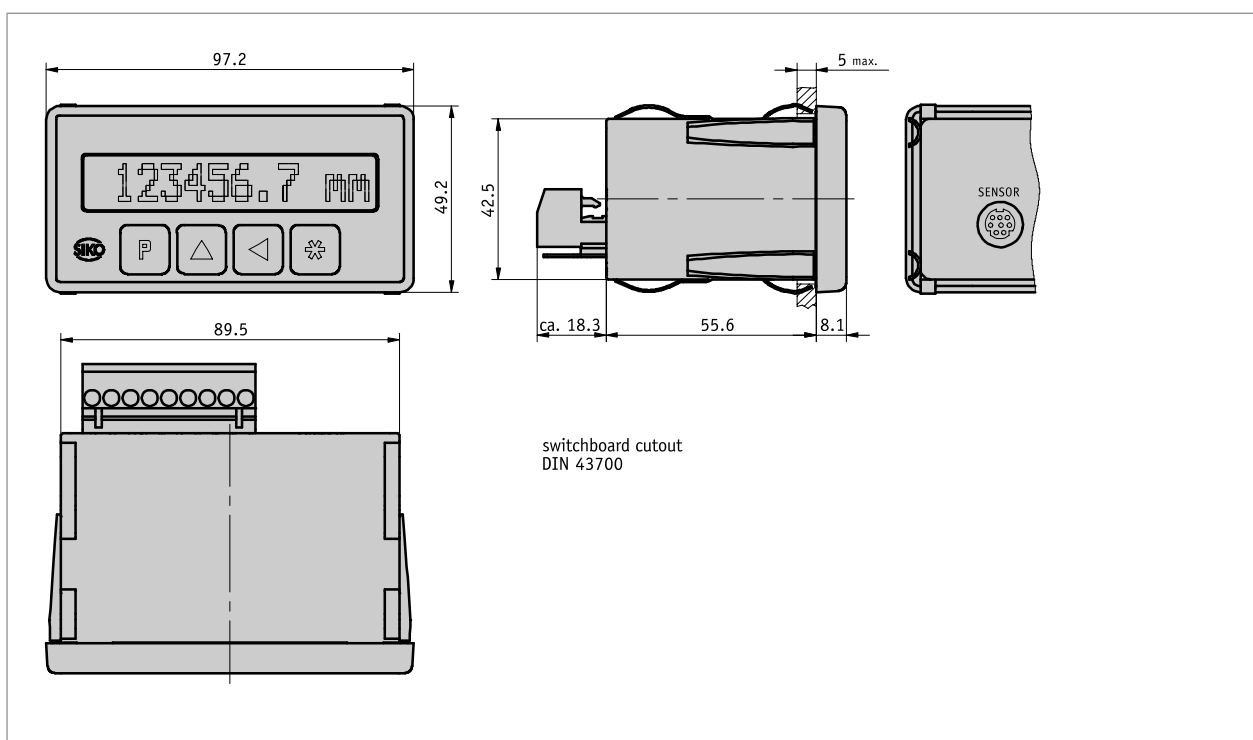


## Profile

- Display accuracy max. 10 µm
- Repeat accuracy max. ±0.01 mm
- High-contrast LCD, 12-digit LCD dot matrix
- Incremental measurement and calibration function
- Direct reference/offset value input
- Calibration input
- Works with sensor MSA
- Option: serial interface RS232/RS485
- Option: TG01 bench housing



## Mechanical data

Feature	Technical data	Additional information
Housing design	built-in housing, plastic	Control panel excerpt 92 <sup>+0.8</sup> x 45 <sup>+0.6</sup> IEC 61554

## Electrical data

Feature	Technical data	Additional information
Operating voltage	24 V DC ±20 %	
	115 V AC ±10 %	
	230 V AC ±10 %	
Current consumption	70 mA at 24 V DC	
	20 mA at 115 V AC	
	10 mA at 230 V AC	
Display/display range	12-digit, LCD dot matrix, backlit	-9999999 ... 9999999, arithmetic signs, units
Switching outputs	with or without	2x 30 V ≤100 mA
Interface	without, RS232, RS485	
Type of connection	connector	9-pole, (supply, switching output, interface/calibration input)
	mini-DIN	8-pole, 1x socket (MSA sensor)

## System data

Feature	Technical data	Additional information
Resolution	0.01, 0.1, 1, 10 mm 0.001, 0.01, 0.1, 1 in	programmable angle display
System accuracy	±(0,05+ 0.03 x l) mm: L in m at T <sub>U</sub> = 20° C	
Repeat accuracy	±0.01 mm	±1 increment
Travel speed	≤5 m/s	

## Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	0 ... 50 °C	
Storage temperature	-20 ... 80 °C	
Relative humidity	≤95 %	condensation inadmissible
EMC	EN 61000-6-2 EN 61000-6-4	interference resistance / immission emitted interference / emission
Protection category	IP40 whole device IP60 at the front with switchboard installation	EN 60529 EN 60529

## pin assignment

Signal	PIN
Reset	1
+24 V DC; ≤50 mA (calibration input)	2
GND	3
nc	4
"RS232 (RXD), RS485 (DÜB), actor A2"	5
RS232 (TXD), RS485 (DÜA), actor A1	6
PE	7
N (230/115 V AC); GND (24 V DC)	8
L (230/115 V AC); +UB (24 V DC)	9

## Order

### ■ Ordering information

One or more system components are required:

Magnetic sensor MSA

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### ■ Ordering table

Feature	Ordering data	Spezifikation	Additional information
Operating voltage	A 1 2 4	230 V AC 115 V AC 24 V DC	
interface/protocol	B XX/XX S1/00 S3/00	without RS232 with standard protocol RS485 with standard protocol	
switching output	C SM S0	with without	only with XX/XX interface

### ■ Order key

MA505 - EG - A - KM - B - C - S - BS - MSA



**Scope of delivery:**

MA505, Installation Instructions



**Accessories you can find:**

Table-top housing TG01

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