Profile
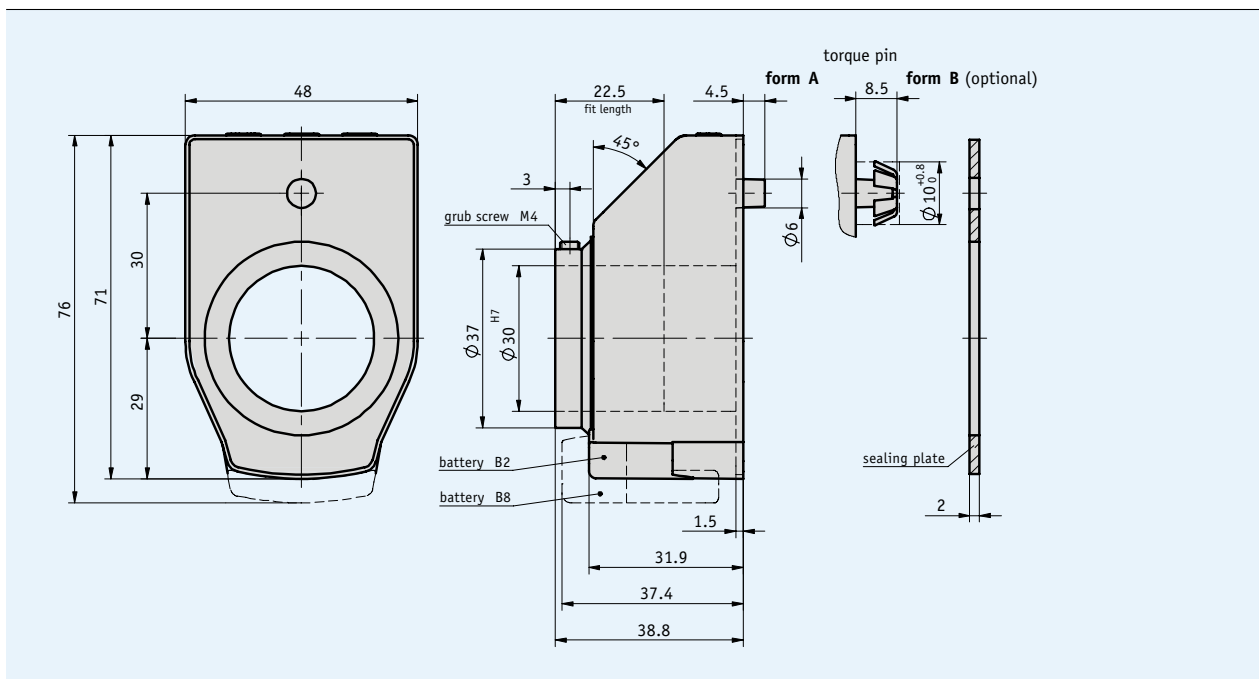
- Freely programmable electronic digital display
  for length or angular measurement
- Hollow shaft, max. Ø 30 mm
- LCD display with 5 digits and special characters
- Digit height approx. 12 mm
- Reset, incremental measurement, offset via keyboard
- Long battery life
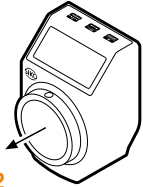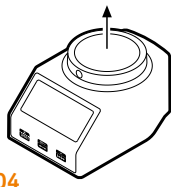- Easy battery change without dismantling of the device

1.2

Mechanical data
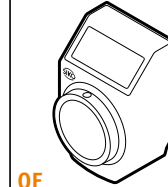
Feature	Technical data	Additional information
Weight	approx. 0.1 kg	
Hollow shaft	Ø 30H7, plain bearing, browned steel	
Rotational speed	max. 600 rpm (100 % operation time)	
Protection category	IP51	
Operating temperature	-10 ... +60 °C	
Storage temperature	-30 ... +80 °C	
Housing	plastic	
Shock resistance	30 g / 15 ms	according to DIN EN 60068-2-27
Vibration resistance	10 g / (5 ... 150 Hz)	according to DIN EN 60068-2-6
	20 g / (100 ... 2.000 Hz)	according to DIN EN 60068-2-6

Electrical data

Feature	Technical data	Additional information
Display	LCD display, 5-digit, 11.5 mm digit height	
Display range	–19999 … 99999	
Battery	lithium coin cell, 3 V, CR2032 type	~2 years of service life
	lithium coin cell, 3 V, CR2477 type	~8 years of service life
EMC	DIN EN 61000-4-2	
	DIN EN 61000-4-4	

Order

■ **Order note**

Mounting position		Key pad operation			Counting direction
O2	O4	D/V	K	OF	e i

Note: Characters highlighted in orange are order features

1.2

Display
displayed value
not displayed
0 0 0 2 5 3 2 4
display divisor
measured value per revolution

Display divisor
The indication of the measured value on the display can be influenced by means of the divisor (divider). The divisor shifts figures of the measured value into the invisible sector of the display unit. Although the figures are not displayed, they are also calculated by the lectronics unit and mathematically rounded.

Calculation of value displayed (example: order text):
Measured value per revolution   25324
Display divisor   1000

Feature	Value displayed	Measured value
1st revolution	25	25324
2nd revolution	51	50648
3rd revolution	76	75972

■ **Order table**

Feature	Order text		Specification	Additional information
Design/mounting position*	**02**	A	horizontal spindle	
	04		vertical spindle	
Measured value per revolution*	**...**	B	**2 ... 90 000**	see calculation of value displayed
	W3600		angular mode 0 ... 360°, resolution 0.1°	only for decimal point „1"
	Z3600		angular mode -180 ... +180°, resolution 0.1°	only for decimal point „1"
Decimal place*	**0**	C	0 = 00000	
	1		1 = 0000.0	
	2		2 = 000.00	
	3		3 = 00.000	
Display divisor*	**...**	D	**1, 10, 100, 1000**	see calculation of value displayed
Counting direction* = ascending values	**i**	E	clockwise	
	e		counter-clockwise	
Key pad operation	**D**	F	zero setting, directly*	
	V		zero setting, delayed by 5 s*	
	K		only incremental measurement key	
	OF		without function keys	
Hollow shaft/diameter (mm)	**30**	G	Ø 30 mm	
	20		Ø 20 mm	
	...		**RH16, RH24, RH25, RH26**	reducing bushes
			others on request	
Color	**0**	H	orange RAL 2004	
	S		black RAL 9005	
Battery	**B2**	I	~2 years of service life	
	B8		~8 years of service life	pay attention to the technical drawing

* programmable by means of ProTool DE programming software

■ **Order code**

DE10 – [A] – [B] – [C] – [D] – [E] – [F] – [G] – [H] – [**A**] – [I]

Scope of delivery: DE10, User information

Accessories:
Programming software ProTool DE   *Page 109*
Reducing bushes   *Page 110*

Additional information:
General information and areas of application   *Page 26 cont.*

1.2