

Direct drive digital position indicators



• Base and case

High-resistance polyamide based (PA) technopolymer.
Resistant to solvents, oils, greases and other chemical agents.
Black base.

Case in the following colours:

- **C2:** RAL 2004 orange, glossy finish.
- **C3:** RAL 7035 grey, glossy finish.

On request and for a quantity of at least 10 pieces, it is available in RAL 7021 (C1) grey-black.

The ultrasonically welding between the base and the case prevents separation and avoids dust penetration.

• Window

Transparent polyamide based (PA-T) technopolymer, moulded over the case and with a perfect seal. Resistant to solvents, oils, greases and other chemical agents (avoid contact with alcohol during cleaning operations).

• Display

It indicates the displacement of the mechanism controlled by the spindle from the start position (0).

Numeratore a rulli a tre cifre (due rulli neri ed uno rosso o un rullo nero e due rossi o tre rulli neri). Le cifre dei rulli rossi indicano i decimali.

The display can be in different positions (see "Table of the possible combinations").

- **AN:** inclined display, counter in upper position.
- **AR:** inclined display, counter in lower position.
- **FN:** front display, counter in upper position.
- **FR:** front display, counter in lower position.

• Internal gasket

O-ring front sealing in NBR synthetic rubber, between the case and the bushing.

• Rear gasket

Foam polyethylene, supplied.

• Standard executions

Bushing with $\varnothing 10$ mm H7 reamed hole, fitting to shaft by means of a supplied grub screw with hexagon socket and cup end UNI 5929-85.

- **DD50** black-oxide steel bushing.
- **DD50-SST:** AISI 303 stainless steel bushing (see table).

• Direction of rotation

- **D:** clockwise. Increasing values with clockwise rotation of the bushing.
- **S:** anti-clockwise. Increasing values with anti-clockwise rotation of the bushing.

• Weight

21 grams.

Ergonomy and design

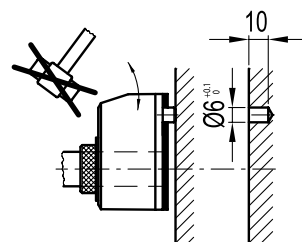
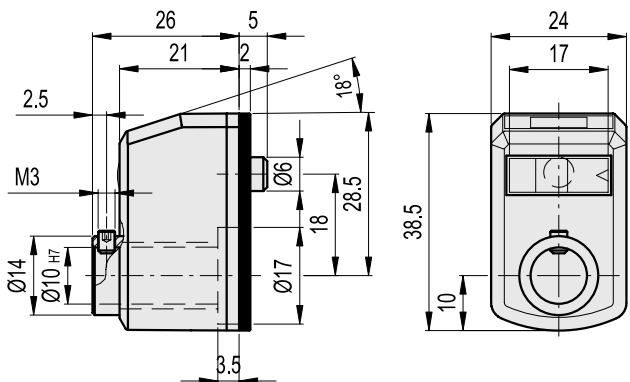
Compact roller counter, ergonomically designed digits for rapid reading. The readability of the counter is increased by the magnifying window.

Special executions on request

- Special readings after one revolution.
- Case in different colours.
- Completely sealed digital position indicators with IP 67 protection class, see table IEC 529 obtained by means of a brass bushing with double seal ring inside the rear cavity of the base.

Assembly instructions

1. Drill a $\varnothing 6$ mm by 10 mm hole in the body of the machine with a 18 mm centre distance from the spindle to fit the rear referring pin.
2. Set the spindle to the start or referring position.
3. Fit the indicator with the zeroed roller counter onto the spindle and make sure that the referring pin fit the hole.
4. Clamp the bushing to the spindle by tightening the grub screw with hexagon socket and cup end, according to UNI 5929-85.



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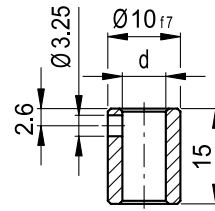
Features and applications

Direct drive digital position indicators can be assembled on passing through spindles in any position to give direct reading of the positioning of a machine component. They are suitable also for motor driven applications (see below "Table of the possible combinations").

Accessories on request(to be ordered separately)

RB50: black-oxide steel reduction sleeves (see table).

RB50-SST: AISI 304 stainless steel reduction sleeves (see table).



RB50

Code	Description	dH7
CE.80940	RB50-6	6
CE.80950	RB50-8	8

RB50-SST

Code	Description	dH7
CE.90940	RB50-6-SST	6
CE.90950	RB50-8-SST	8



Series	Display position	Reading after one revolution	Direction of rotation	Colour	Stainless steel boss
 AN inclined upper AR inclined lower FN front upper FR front lower			 D clockwise S anti-clockwise	 C2 RAL 2004 C3 RAL 7035 C1 RAL 7021	 INOX Stainless Steel To add only for the version with stainless steel boss

0 1 0	0 1 0	0 1 0	Pitch	Speed (rpm)*
01.0	0.10	010	1.0	1500
02.0	0.20	020	2.0	1250
04.0	0.40	040	4.0	625
05.0	0.50	050	5.0	500
10.0	1.00	100	10	250

* The maximum rotation speed (rpm) of the spindle reported in the table corresponds to a maximum rotation speed of 25000 units per minute of the last roll on the right side of the counter. Rotational speed tests have been performed in our laboratory under standard operating conditions.