PW12 | Digital-analogue position indicators

positive drive, technopolymer

RoHS · IP65 · PA · PA-T · +100° 0°

CASE
Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.
Moulded-in spindle.

BEZEL
Technopolymer. Moulded over the window.

WINDOW
Transparent polyamide based (PA-T) technopolymer (practically unbreakable).
Resistant to solvents, oils, greases and other chemical agents (avoid contact with alcohol during cleaning operations).

DIAL
Natural matte anodised aluminium.
Clockwise or anti-clockwise graduation, black colour.

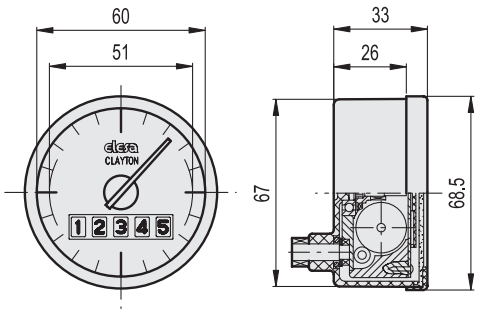
READING
Five-digits roller counter (four black rolls and one red roll) and one red pointer which turns on the graduated dial. The digit of the red roll shows the decimal values, while the pointer shows the hundredth.
The display indicates the displacement of the mechanism controlled by the spindle from the start position (0). One complete turn of the machine spindle corresponds to a turn of the handwheel/knob and consequently to a turn of the red pointer. A turn of the red pointer corresponds to a determinate reading on the counter (see "reading on the counter after one revolution of the red pointer" in the table).

IP PROTECTION
The ultrasonic welding of the window to the case guarantees the complete sealing with IP 65 protection class, see table IEC 529 (on page A-19).

FEATURES AND APPLICATIONS
Digital-analogue positive drive indicators are suitable with spindles in any position.
To choose the handwheel see the table "Handwheels/knobs - possible assembly with indicators" (on page 463).

SPECIAL EXECUTIONS ON REQUEST
- No pointer
- Plain dial
- Special dial with logo or customised graduations
- Special readings after one revolution.

ELESA Original design



Example of description for ordering

PW12 - 00002 - D

Reading on the counter after one revolution of the red pointer

0 0 0 0 2	0 0 0 0 2	0 0 0 0 2	0 0 0 0 2	Dial Graduation Number
00002	0000.2	000.02	00.002	20
00005	0000.5	000.05	00.005	50
00008	0000.8	000.08	00.008	40
00010	0001.0	000.10	00.010	100
00012	0001.2	000.12	00.012	60
000125	0001.2(5)	000.125	00.0125	100
00020	0002.0	000.20	00.020	40
00025	0002.5	000.25	00.025	50
00030	0003.0	000.30	00.030	60
00035	0003.5	000.35	00.035	70
00040	0004.0	000.40	00.050	80
00050	0005.0	000.50	00.050	100

Graduation

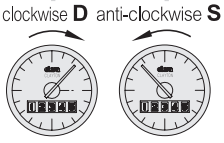
Graduated dial resolution

Divide the reading of the counter for the number of graduations of the dial.

Example:
00002 /20=0.1

Increasing graduation

clockwise **D** anti-clockwise **S**



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