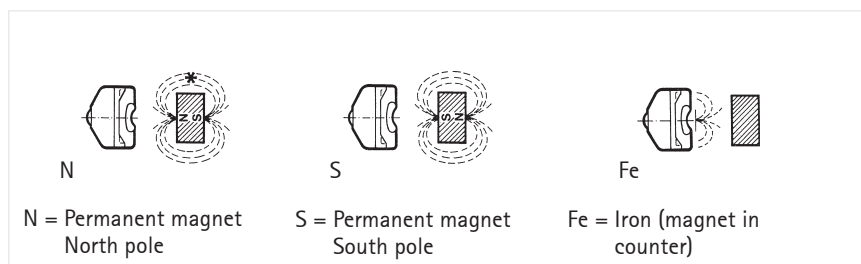




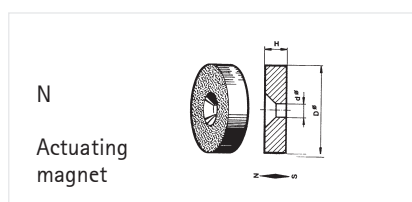
MAGNETIC ACTUATION

- Contactless counting
- Miniature size
- Simple installation
- Protection class IP 65
- Maintenance-free operation



Actuation is effected by a magnetic field. With suitable magnets it is possible to achieve actuating distances of up to 50 mm. The direction of approach of the actuating magnet is not critical. When choosing a counter, it is important to observe the correct polarity of the actuator (see Figure).

ACTUATING MAGNETS



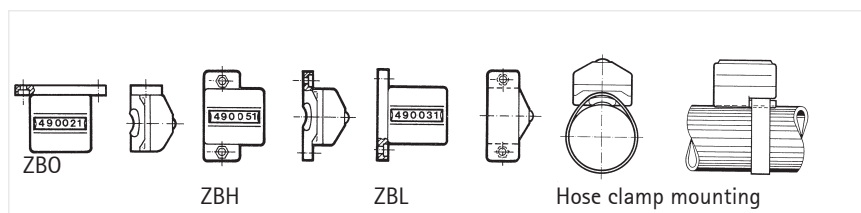
We supply suitable magnets for actuating this counter. The magnet core consists of barium iron (hard ferrite 22/17 acc. to DIN 17 410). For attachment (centre hole) only screws made of non-magnetic material may be used.

DIMENSIONS OF ACTUATING MAGNETS

Ordering code	D	d	H
3 532 023	15.2 mm	3.2 mm	6 mm
3 532 024	31.0 mm	5.3 mm	15 mm

ATTACHMENT

"Colibri" is available for several means of attachment:



ZOB = Counter without attachment plate
ZBO = Counter with attachment plate top

ZBL = Counter with attachment plate left
ZBH = Counter with attachment plate behind

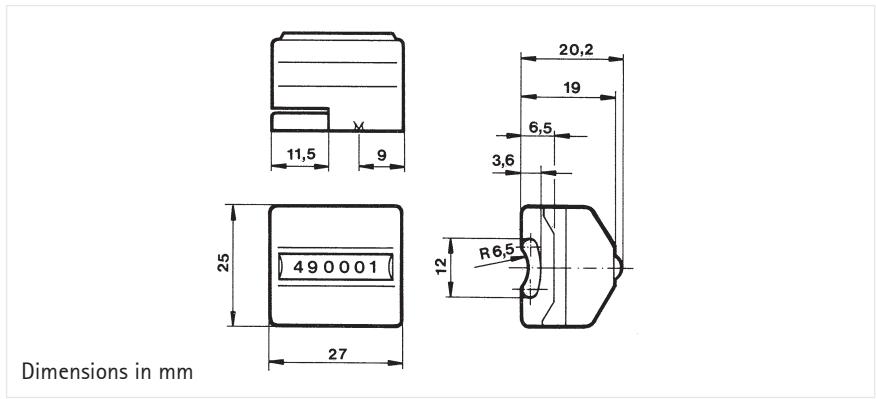
Colibri 490

TECHNICAL DATA

Technical data

Display	6 or 7-digit, depending on version
Digit height	4 mm, visual
Operating temperature	- 10 ... + 50 °C
Storage temperature	- 40 ... + 60 °C
Mounting	depending on version
Mounting position	any
Protection class (DIN 4050)	IP 65
Vibrostability	20 m/s² (10...150 Hz) acc. to IEC 068-2-6
Shock stability	2.000 m/s² (3 ms) acc. to IEC 068-2-27
Maintenance-free operation	10 million increments
Case	Makrolon
Weight	approx. 12 g
Counting mode	adding
Actuation	with conventional permanent magnets
Actuating distance	Fe-version 0.5 mm N and S magnets see order information
Response flux density	> 10 mT (100 Gauss)
Release flux density	< 4 mT (40 Gauss)
Actuating speed	2 m/s
Counting frequency max.	20 digits/s
Reset	none

DIMENSIONS



ORDER INFORMATION

	Ordering code	Ordering code	Ordering code
Counter without attachment	North pole	South pole	Fe
accessories 6-digit	0 490 001	0 490 002	0 490 003
7-digit	0 490 004	0 490 005	0 490 006
Attachment plates	ZBO	ZBL	ZBH
	2 490 011	2 490 012	2 490 005
Hose clamps	20 ... 32 mm	25 ... 40 mm	40 ... 60 mm
	3 515 055	3 515 056*	3 515 057

Actuating magnets (North pole)

Distance 10 mm	Distance 30 mm	Magnetic plate 6 mm
3 532 023	3 532 024	3 532 025

* on request