

Load Cell

Type Series FWC10

Features:

- Measuring range from 3 kg to 100 kg
- Stainless steel or aluminum alloy construction
- Robust design
- Compact small dimensions
- Very low installation height
- Simple installation
- Protection class IP65

Applications:

- Plant engineering
- Force measurement
- Measuring and monitoring facilities
- Production lines
- Testing and manufacturing plants
- Special equipment and machinery construction

Technical data:

Maximum capacity	kg	3 / 5 / 10 / 20 / 30 / 50 / 100
Temperature effect on minimum dead load output	% FS / 10°C	≤ ± 0.05
Temperature effect on sensitivity	% FS / 10°C	≤ ± 0.05
Non-linearity	% FS	≤ ± 1.0
Hysteresis	% FS	≤ ± 0.5
Creep error (30 minutes)	% FS	≤ ± 0.5
Rated output	mV/V	1.0 ± 10%
Zero balance	% FS	≤ ± 2
Excitation voltage	V	5 ... 7
Input resistance	Ω	1030 ± 80
Output resistance	Ω	1030 ± 80
Insulation resistance (100 V DC)	MΩ	≥ 5000
Safe load limit	% FS	120
Ultimate load	% FS	150
Compensated temperature range	°C	-10 ... +50
Operating temperature range	°C	-20 ... +80
Load cell material		<5 kg aluminum alloy ≥5 kg stainless steel
Cable size		Φ2 × 3000 mm
Protection according EN 60 529		IP65

Model code:

FWC10 - XXX - XX X

Maximum capacity

103 = 3 kg
 205 = 5 kg
 210 = 10 kg
 220 = 20 kg
 230 = 30 kg
 250 = 50 kg
 310 = 100 kg

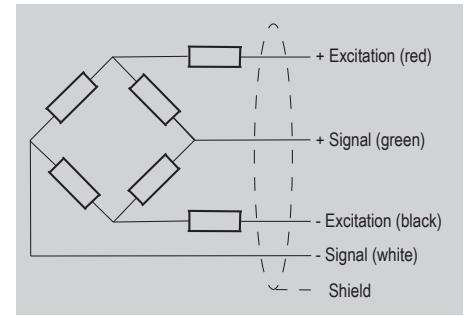
Output signal

M4 = 1 mV/V, 4-wire
 AC = 4 ... 20 mA, 3-wire, cable amplifier
 VC = 0 ... 10 V, 3-wire, cable amplifier
 EA = external 4 ... 20 mA amplifier
 EV = external 0 ... 10 V amplifier

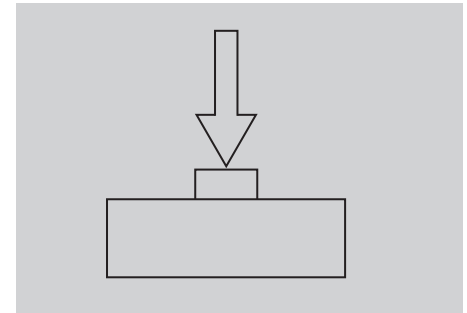
Display

Z = Without
 E = LED display

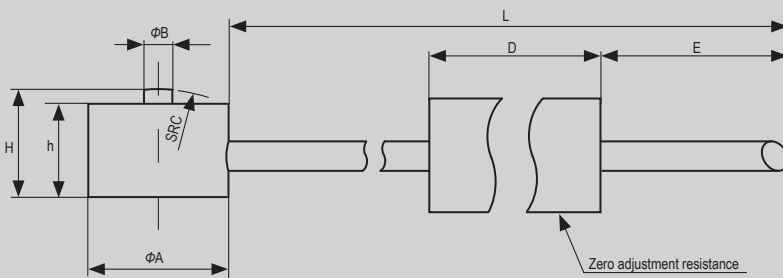
Electrical connections:



Load direction:



Dimensions:



Capacity (kg)	ΦA	ΦB	C	H	h	D	E	L
3	10	1	8	6	5.2	50	150	3000
5 / 10	10	1.5	5	6	5.2	50	150	3000
20 / 30	10	2	8	6	5.2	50	150	3000
50 / 100	10	2.5	10	6	5.2	50	150	3000

Note:

The information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department. Subject to technical modifications.