

# Single point load cell up to 250 kg Model F4801



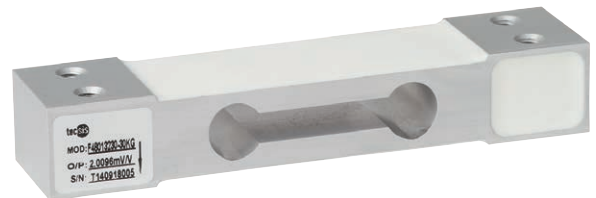
WIKA Data sheet FO 53.10

## Applications

- Electronic precision-, price computing scales and industrial weighing systems

## Special features

- Made of aluminum alloy
- High accuracy, high side load tolerance, simple structure, easy to install
- Measuring range: 3 ... 250 kg



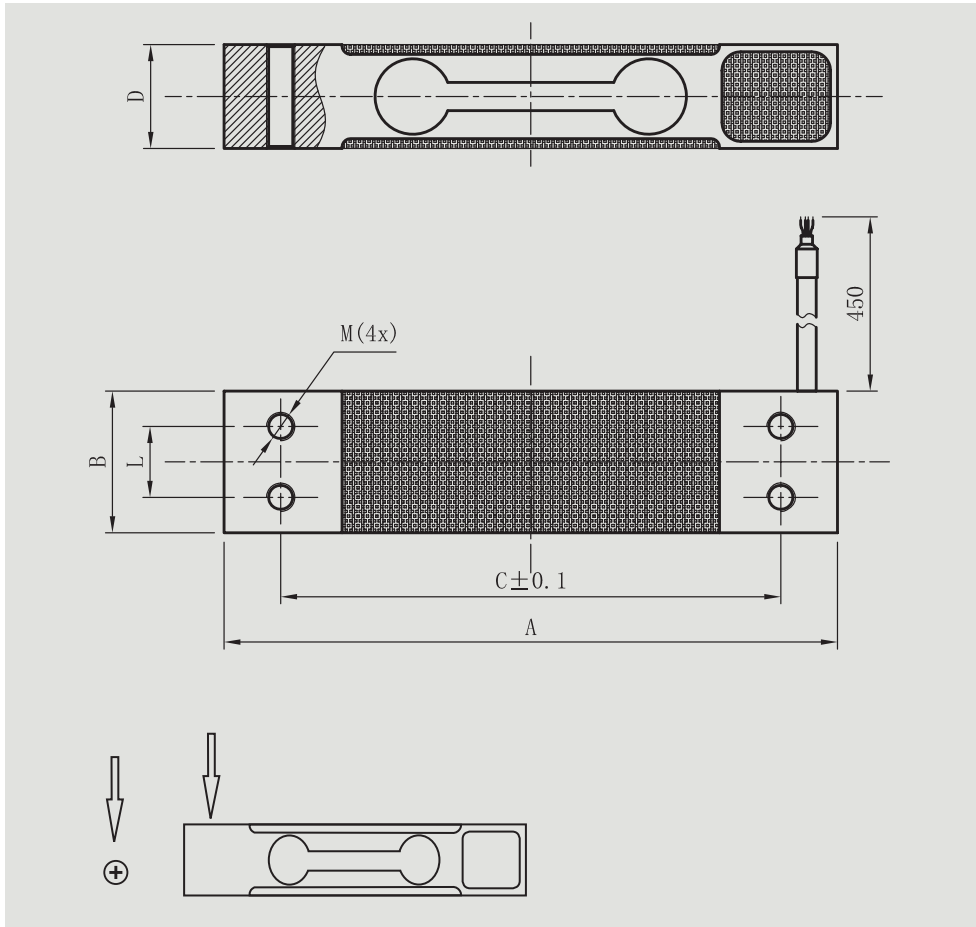
Single point load cell, model F4801

## Technical data in accordance with VDI/VDE/DKD 2638

Model F4801	
Rated force $F_{nom}$ in kg	3, 4, 5, 6, 8, 10, 15, 20, 25, 30, 40, 45, 50, 60, 100, 150, 200, 250
Force limit $F_L$	150 % $F_{nom}$
Breaking force $F_B$	200 % $F_{nom}$
Relative reversibility $v$	0.02 % of F.S.
Relative linearity error $d_{lin}$	0.02 % of F.S.
Relative deviation of zero signal $d_{s,0}$	$\pm 2$ % of F.S.
Relative repeatability error in unchanged mounting position $b_{rg}$	0.02 % of F.S.
Relative creep, 30 min. $F_{nom}$	
Insulation resistance $R_{is}$	$\geq 2,000$ M $\Omega$ /DC 100 V
Input resistance $R_e$	$410 \pm 10$ $\Omega$
Output resistance $R_a$	$350 \pm 5$ $\Omega$
Output signal (characteristic value) C	$2.0 \pm 10$ % mV/V
Temperature effect on <ul style="list-style-type: none"> <li>■ characteristic value <math>TK_C</math></li> <li>■ zero signal <math>TK_0</math></li> </ul>	0.02 % of F.S. /10 °C
Recommended excitation voltage	10 V
Maximum excitation voltage	15 V
Rated temperature $B_{T, nom}$	-10 ... +40 °C
Operating temperature $B_{T, G}$	-20 ... +60 °C
Protection type	IP65 in accordance with EN/IEC 60529
Material	Aluminium alloy.
Cable size	$\varnothing 3 \times 450$ mm
Platform size	250 x 300 mm
Cable color code	<b>Input:</b> red (+) black (-), <b>Output:</b> green (+) white (-)

of F.S. = full scale value

## Dimensions in mm



Nominal load in kg	Dimensions in mm						Weight in kg
	A	B	C	D	L	M	
3, 4, 5, 6, 8, 10, 15, 20, 25, 30, 40, 45, 50	130	30	106	22	15	M6	0.3
60, 100, 150, 200, 250	130	50	106	22	25	M8	0.4

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