

## Type CPB Load Cell



Flintec load cells are designed to meet the most stringent accuracy requirements.

The unique, very low profile Compact Planar Beam load cells offer a very low scale profile design while at the same time offering 3000 divisions scale performance.

CPB platform load cells are available in the capacities 3 kg to 60 kg. and include Accuracy Classifications GP and C3 according to OIML R 60.

The off center load performance according OIML allows a maximum platform size of 350 x 350 mm.

One single load cell can be employed, directly coupled to the weighing platform and the supporting base, "Spiders" are not required in this configuration.

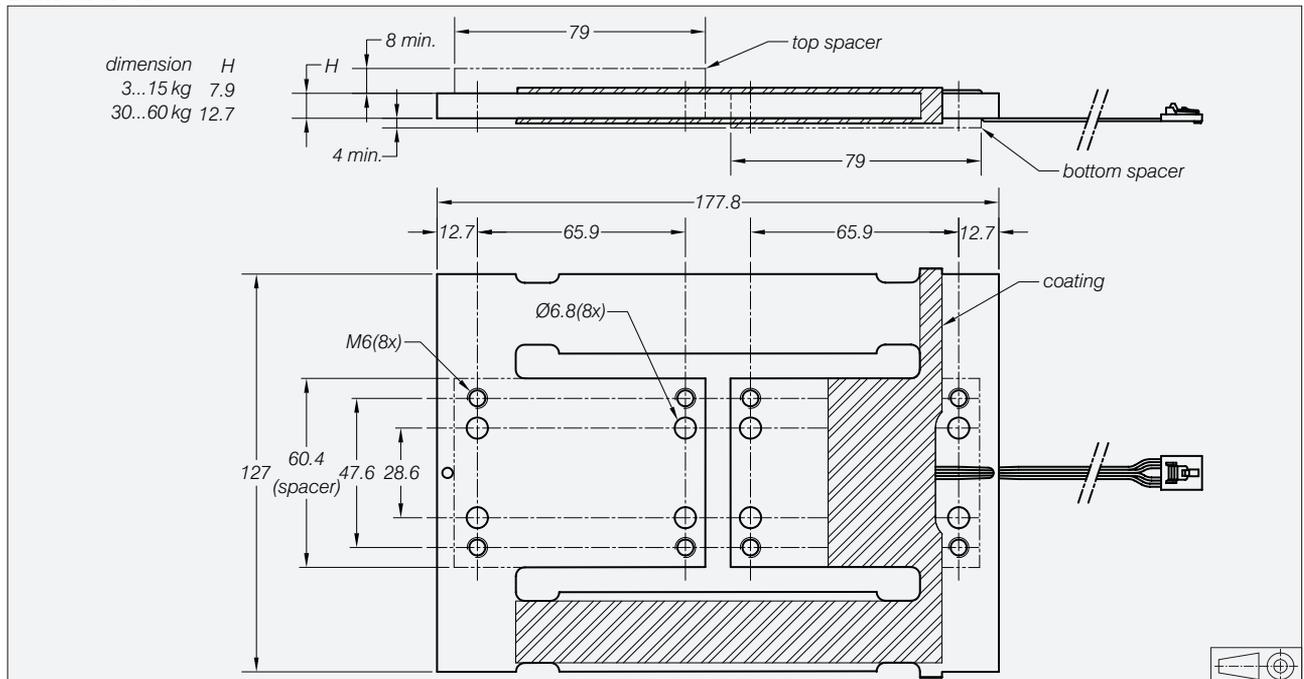
### Important Features

- Capacities: 3 kg to 60 kg.
- High accuracy.
- Very low profile.
- Maximum platform size 350 x 350 mm.

## CPB Specifications

Maximum capacity (=E <sub>max</sub> )	kg	3 / 6 / 15 / 30 / 60	
Rated Output (=RO)	mV/V	1 ± 10%	
Accuracy class according to OIML R 60		(GP)	C3
Maximum number of verification intervals (n)		n.a.	3000
Minimum load cell verification interval (v <sub>min</sub> )		n.a.	E <sub>max</sub> /7500
Combined error	%RO	≤ ± 0.040	≤ ± 0.020
Creep error (30 minutes)	%RO	≤ ± 0.060	≤ ± 0.024
Temperature effect on minimum dead load output	%RO/°C	≤ ± 0.0040	≤ ± 0.0014
Temperature effect on sensitivity	%/°C	≤ ± 0.0020	≤ ± 0.0011
Excitation voltage	V	5...15	
Zero balance	%RO	≤ ± 1.0	
Input resistance	Ω	390 ± 10	
Output resistance	Ω	330 ± 25	
Insulation resistance	MΩ	≥ 5000	
Compensated temperature range	°C	-10... +40	
Operating temperature range	°C	-10... +65	
Safe load limit	%E <sub>max</sub>	300	
Ultimate load	%E <sub>max</sub>	400	
Safe side load	%E <sub>max</sub>	200	
Maximum platform size; loading according OIML	mm	300 × 300 for 3 to 15 kg / 350 × 350 for 30 and 60 kg	
Load cell material		aluminium	
Sealing		environmentally sealed	
Protection according DIN 40.050		IP 65	

## Dimensions



All dimensions in mm. Dimensions and specifications are subject to change without notice.

## Wiring

- The load cell is provided with a 4 conductor ribbon cable and with AMP #103957-4 connector.
- Cable length: 250 mm.

