

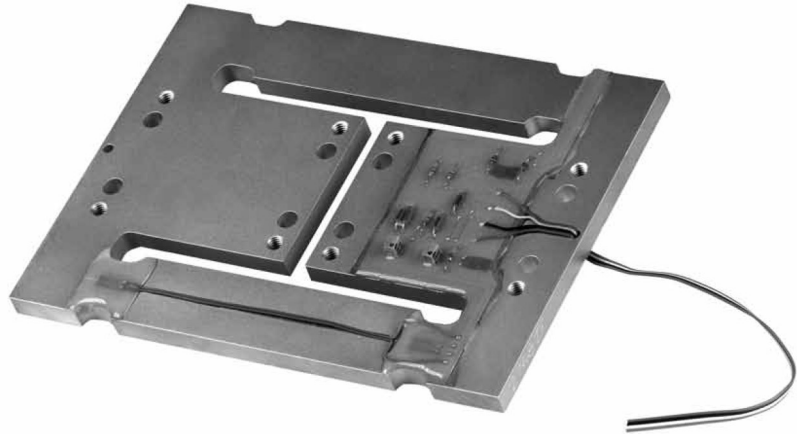


# PENKO Engineering BV

The Leading Experts In Weighing & Dosing

3Kg-60Kg

# CPB



## Product Description

The type CPB is a very low profile compact planar beam load cell. Its unique Flintec design allows for an extremely low scale construction.

## Application

- Compact scales, bench and floor scales, special applications in medical and other areas

## Key Features

- Capacities from 3 kg to 60 kg
- Aluminium construction
- Environmental Protection IP65
- Very low profile design
- Single point performance
- Maximum platform size up to 350 x 350 mm

## Wiring

- The load cell is provided with a 4 conductor ribbon cable
- Cable length: 250 mm

## Approvals

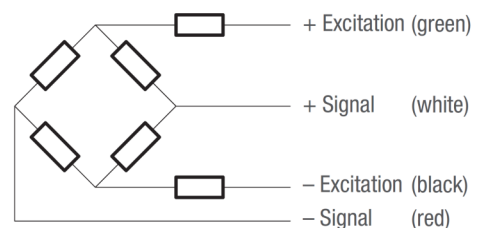
- OIML approval to C3 (Y = 7 500) for capacities 15 to 60 kg
- FM hazardous area approval

## Packed Weight

■ Capacity (kg)	3-15	30-60
Weight (kg)	0.5	0.75

## Available Accessories

- Compatible range of electronics



## Specifications

Maximum capacity	(E <sub>max</sub> )	kg	3 / 6 / 15 / 30 / 60	3 / 6	15 / 30 / 60
Accuracy class according to OIML R60			(GP)	G3*	C3
Maximum number of verification intervals	(n <sub>max</sub> )		n.a.	3 000	
Minimum load cell verification interval	(v <sub>min</sub> )		n.a.	E <sub>max</sub> / 7 500	
Temperature effect on minimum dead load output	(TC <sub>0</sub> )	%*RO/10°C	≤ ± 0.0400	≤ ± 0.0187	
Temperature effect on sensitivity	(TC <sub>RO</sub> )	%*RO/10°C	≤ ± 0.0200	≤ ± 0.0100	
Combined error		%*RO	≤ ± 0.0500	≤ ± 0.0200	
Non-linearity		%*RO	≤ ± 0.0400	≤ ± 0.0166	
Hysteresis		%*RO	≤ ± 0.0400	≤ ± 0.0166	
Creep error (30 minutes) / DR		%*RO	≤ ± 0.0600	≤ ± 0.0166	
Rated Output	(RO)	mV/V		1 ± 10%	
Zero balance		%*RO		≤ ± 5	
Excitation voltage		V		5...15	
Input resistance	(R <sub>LC</sub> )	Ω		415 ± 20	
Output resistance	(R <sub>out</sub> )	Ω		350 ± 25	
Insulation resistance (100 V DC)		MΩ		≥ 5 000	
Safe load limit	(E <sub>lim</sub> )	%*E <sub>max</sub>		300	
Ultimate load		%*E <sub>max</sub>		400	
Safe side load		%*E <sub>max</sub>		200	
Maximum platform size; loading acc. to OIML R76		mm	300 x 300 for 3 to 15 kg / 350 x 350 for 30 and 60 kg		
Compensated temperature range		°C	-10...+40		
Operating temperature range		°C	-10...+65		
Load cell material			aluminium		
Sealing			environmentally sealed		
Protection according EN 60 529			IP65		

\* corresponds to C3 quality, test certificate not available

The limits for Non-Linearity, Hysteresis, and TC<sub>RO</sub> are typical values.

The sum of Non-linearity, Hysteresis and TC<sub>RO</sub> meets the requirements according to OIML R60 with p<sub>LC</sub>=0.7.

## Dimensions (in mm)

