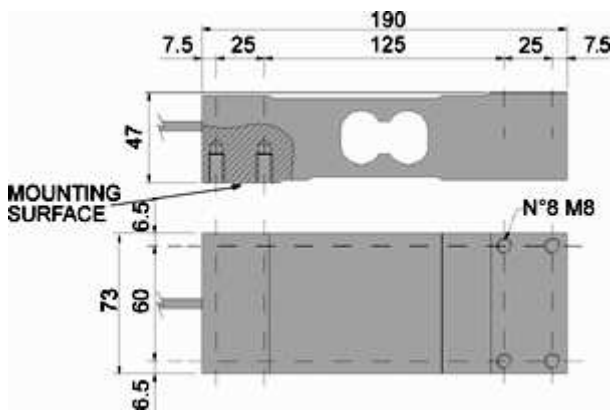


SPBC SERIES SINGLE POINT LOAD CELLS



Dimensions (mm)

SPBC Wiring Code	
Colour	Function
-	SHIELD
YELLOW	OUTPUT +
GREY	SENSE +
BROWN	INPUT +
WHITE	OUTPUT -
GREEN	INPUT -
PINK	SENSE -

Load cells for off center loads, suitable for example to build CE-M approved scales with a single load cell with maximum dimensions of 700x700 mm.

MAIN FEATURES

- C3 PRECISION CLASS
- OFF CENTER LOAD COMPENSATED
- MADE IN ALUMINIUM ALLOY
- IP65 PROTECTION
- MAX. CAPACITIES FROM 100 TO 630kg
- FOR PLATFORMS WITH DIMENSIONS UP TO 700 X 700 mm
- SHIELDED CONNECTION CABLE
- OIML CERTIFICATE AVAILABLE UPON REQUEST
- TEST CERTIFICATE AVAILABLE UPON REQUEST

TECHNICAL FEATURES

- Minimum load cell verification interval: $V_{min} = E_{Max} / 10.000$
- Maximum number of verification intervals: $n_{LC} = 3000$
- Full Scale Output: 2mV/V +/- 10%
- Combined error: 0,017% of Full Scale Output (F.S.)
- Temperature effect on zero: 0,0028% /°C
- Temperature effect on full scale output: 0,0014% /°C
- Compensated Temperature Range: -10°C/+40°C
- Operating Temperature Range: -20°C/+60°C
- Creep error after 30 minutes: 0,025% F.S.
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance: $410 \pm 10 \text{ Ohm}$
- Output Resistance: $350 \pm 5 \text{ Ohm}$
- Zero Balance: +/-10% F.S.
- Insulation Resistance: >1000 MOhm
- Safe Overload: 150% F.S.
- Ultimate Overload: >200% F.S.
- Nominal displacement: < 1mm
- SPBC 6-wire shielded cable, 3m long, 5mm diameter

EXTRAS AVAILABLE (at time of order)

- OIML R60 certificate (without surcharge)
- II 1GD ATEX Certificate for each load cell (with surcharge)
- Declaration of ATEX conformity of the system (for the code see the pages of the atex weight indicators and MB4 atex barrier kit)

Available Models

Code	Max Capacity kg	Platform mm	Masterpack 4 pcs
SPBC100	100	700x700	SPBC100C
SPBC200	200	700x700	SPBC200C
SPBC300	300	700x700	SPBC300C
SPBC500	500	700x700	SPBC500C
SPBC630	630	700x700	SPBC630C

Certification

Code	Description
DCATEXMB4	DECLARATION OF ATEX CONFORMITY OF WHOLE Ex II 2GD IIC T6 T125°C SYSTEM, with relative LABEL OF WHOLE SYSTEM, for NON ATEX weight indicator connected to MB4 Dini Argeo zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option).
CCATEX	ATEX certificate for each load cell for the following categories: II 1G EExia IIC T6 (Ta -20÷+40°C) TX (Ta -20÷+65°C) II 1D tD A20 TX°C (Ta -20÷+40°C) TX°C (Ta -20÷+65°C).