

HBM SP4/C3

SINGLE POINT LOAD CELL



- SEALED TO IP67
- METRIC THREADS
- MULTIPLE BOLT PATTERN
- PLATFORMS TO 600MM x 600MM
- 2 mV/V

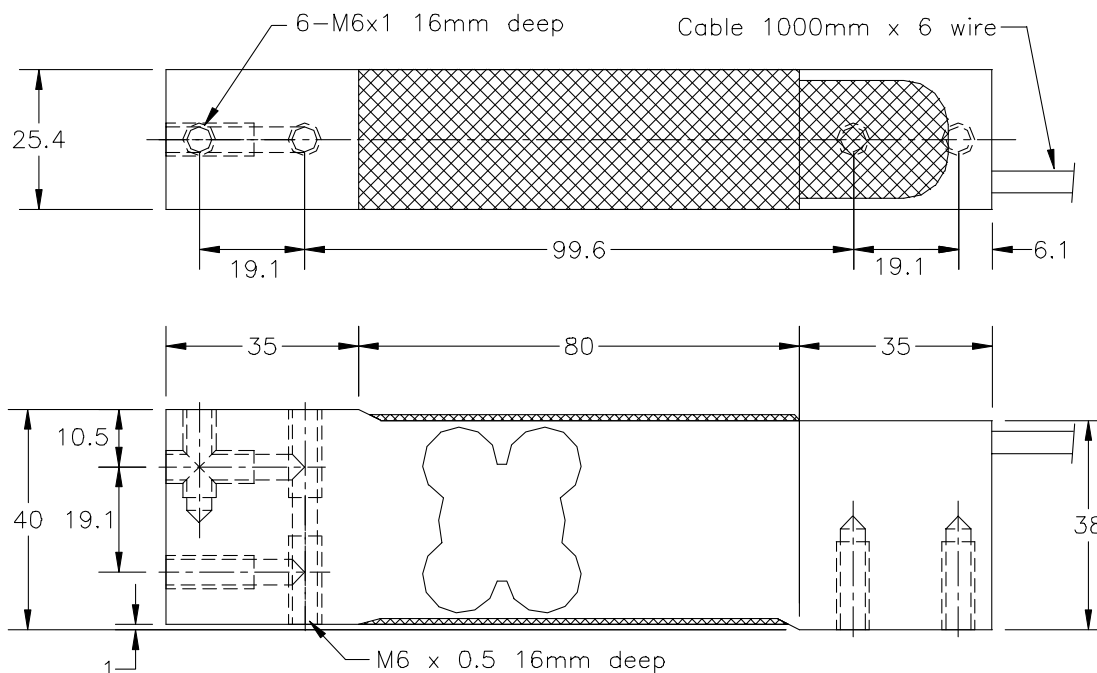


Capacities Available: 5, 10, 20, 50, 100, 200 kg

The HBM SP4/C3 load cell is a high-quality 6-wire single-point platform cell that was designed to deliver very high levels of stability and performance at a very reasonable price. These units are ideal for use in packaging / filling machinery and for small platform scales.

Depending on the capacity, it can handle platforms up to 600mm x 600mm. They are environmentally sealed for use in industrial applications.

Each cell has dual bolt patterns at the load-point to make scale design as simple as possible. A fine-pitch thread is provided in the underside of the nose to allow for the installation of an overload stop-bolt.



Technical Data	Units	SP4/C3
Rated capacities	kg	5, 10, 20, 50, 100, 200
Maximum recommended platform size	mm	5, 10 kg:- 300 x 300 20 kg:- 450 x 450 50, 100, 200 kg:- 600 x 600
Sensitivity	mV/V	2.0 ± 10%
Zero Balance	mV/V	0 ±3%
T.C. Span	%/10K	±0.014
T.C. Zero	%/10K	±0.020
Non linearity	%	±0.015
Hysteresis	%	±0.015
Creep (per 30 minutes)	%	±0.166
Off-center load error (see notes 1 & 2)	%	±0.0233
Input resistance	Ω	420 ±10
Output resistance	Ω	350±5
Reference excitation voltage	V	5
Maximum excitation voltage	V	15
Insulation resistance	GΩ/100V	>2
Nominal temperature range	°C	-10 ~ +40
Operating temperature range	°C	-20 ~ +50
Storage temperature range	°C	-30 ~ +70
Safe load limit	%	150
Lateral load limit	%	300
Deflection at Rated Capacity	mm	0.4
Protection class		IP67
Material		High Tensile Aluminium

Note 1:- refers to the signal output with 50% rated capacity at following eccentricity (5, 10 kg – 75mm, 20 kg – 100mm, 50, 100, 200 kg – 150mm).

Note 2:- All relative errors specified refer to the rated output signal at maximum capacity.

Cable Colour Code

Colour	Function	Colour	Function
GREEN	Excitation (+)	WHITE	Signal Output (+)
ORANGE	Sense (+)	RED	Signal Output (-)
BLACK	Excitation (-)		
BLUE	Sense (-)	WOVEN BRAID	Screen (floating)

