

SPG

SPG SERIES SINGLE POINT LOAD CELLS, C3 CLASS



Load cells for off center loads, suitable for example to build CE-M approved scales with a single load cell; maximum platform dimensions of 600x600 mm.

CAPACITIES (kg): 10, 15, 20, 30, 50, 100, 200.

Aluminium alloy. IP67 protection. C3 precision class.

Working in cooperation with:

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The best solution
for advanced industrial
applications

MAIN FEATURES

- C3 PRECISION CLASS
- OFF CENTER LOAD COMPENSATED
- ALUMINIUM ALLOY CONSTRUCTION
- IP67 PROTECTION
- MAX. CAPACITIES FROM 10 TO 200 kg
- FOR PLATFORMS WITH DIMENSIONS UP TO 600 X 600 mm
- SHIELDED CONNECTION CABLE
- OIML CERTIFICATE AVAILABLE UPON REQUEST
- TEST CERTIFICATE AVAILABLE UPON REQUEST

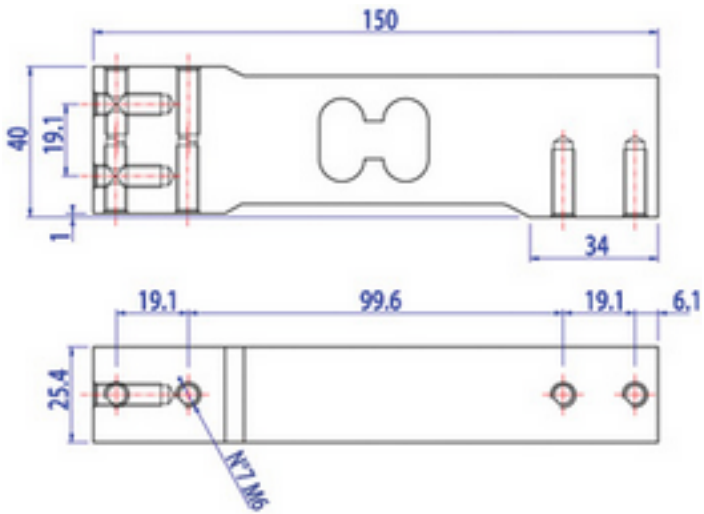
TECHNICAL FEATURES

- Minimum load cell verification interval: $V_{min} = E_{Max} / 15.000$
- Maximum number of verification intervals: $n_{LC} = 3000$
- Sensitivity: $2mV/V \pm 10\%$
- Combined error: 0,03% of Full Span (F.S.)
- Temperature effect on zero: 0,01% FS/10K
- Temperature effect on Full Span: 0,001% FS/10K
- Compensated Temperature Range: $-10^{\circ}C/+40^{\circ}C$
- Operating Temperature Range: $-10^{\circ}C/+50^{\circ}C$
- Creep at nominal load in 30 minutes: 0,01% F.S.
- Maximum excitation voltage without damage: 15 Vdc
- Input Resistance: 300..500 Ohm
- Output Resistance: 300..500 Ohm
- Zero Balance: $0 \pm 0,1\%$ F.S.
- Insulation Resistance: >2000 MOhm
- Mechanical limit load in service: 150% F.S.
- Destructive load: 300% F.S.
- Deflection at nominal load $<0,3mm$
- 6-wire shielded cable, 3m long, 4,7mm diameter

ATEX Version

- The CCATEX certificate makes the load cell suitable for use in hazardous areas with protection methods according to:
ATEX II 1G Ex ia IIC T6 (Ta $-20^{\circ}C/+40^{\circ}C$) TX (Ta $-20^{\circ}C/+65^{\circ}C$) Ga
ATEX II 1D Ex ta IIIC TX $^{\circ}C$ (Ta $-20^{\circ}C/+40^{\circ}C$) TX $^{\circ}C$ (Ta $-20^{\circ}C/+65^{\circ}C$) Da IP65.
The certificate includes the manual and the ATEX CE conformity declaration (available in EN, DE, FR, and IT).
- **IMPORTANT:** the certificate refers to the single load cell. For systems with more load cells, it is necessary to order one certificate for each load cell.

DETAIL 1










Dimensions (mm)

Wiring Code	
<i>Colour</i>	<i>Function</i>
YELLOW	SHIELD
WHITE	OUTPUT +
GREEN	SENSE +
BLUE	INPUT +
RED	OUTPUT -
GREY	SENSE -
BLACK	INPUT -

VERSIONS

Available models

Code	Max (kg)	Platform l x w Max (mm)	Masterpack 4 pcs
SPG10 	10	300x300	SPG10C
SPG15 	15	400x400	SPG15C
SPG20 	20	450x450	SPG20C
SPG30 	30	450x450	SPG30C
SPG50 	50	600x600	SPG50C
SPG100 	100	600x600	SPG100C
SPG200 	200	600x600	SPG200C



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