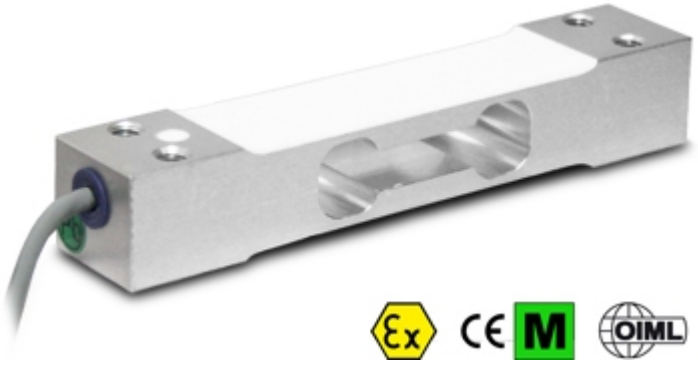
DINI ARGEO
Scales - Weighing systems

SPO

SPO SERIES SINGLE POINT LOAD CELLS



Load cells for off center loads, suitable for example to build CE-M approved scales with a single load cell with maximum dimensions of 300x300 mm.

CAPACITIES (kg): 3, 5, 10, 15, 20, 30.

Aluminium alloy. IP67 protection. C3 precision class.

Working in cooperation with:

SC DATA SPEED SRL

STR DONATH N. 115/33 - 400331 - JUD. CLUJ
Tel. 0040-264566473 Fax. 0040-364-815440
office@cantare.com.ro

The best solution
for advanced industrial
applications

MAIN FEATURES

- C3 PRECISION CLASS
- OFF CENTER LOAD COMPENSATED
- ALUMINIUM ALLOY CONSTRUCTION
- IP67 PROTECTION
- MAX. CAPACITIES FROM 3 TO 30 kg
- FOR PLATFORMS WITH DIMENSIONS UP TO 300 X 300 mm
- SHIELDED CONNECTION CABLE
- OIML AND TEST CERTIFICATES AVAILABLE UPON REQUEST

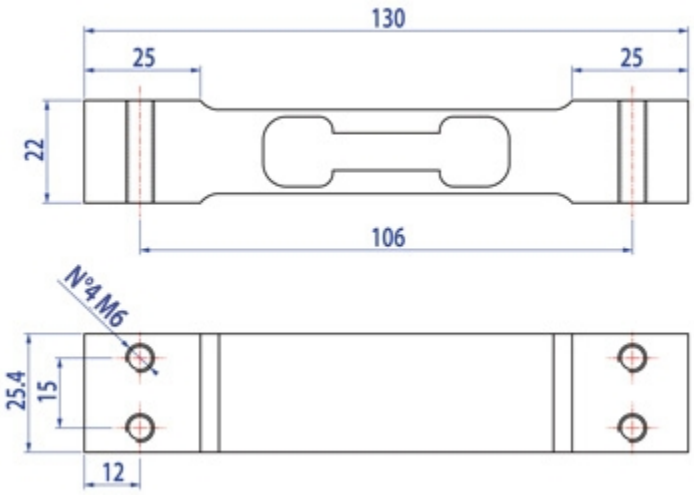
TECHNICAL FEATURES

- Minimum load cell verification interval: Vmin = EMax/15.000
- Maximum number of verification intervals: nLC = 3000
- Full Scale Output: 2mV/V +/- 10%
- Temperature effect on zero: 0,01% FS/10K
- Temperature effect on full scale output: 0,001%FS /10K
- Compensated Temperature Range: -10°C/+40°C
- Operating Temperature Range: -10°C/+50°C
- Creep error after 30 minutes: 0,01% F.S
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance: 300..500 Ohm
- Output Resistance: 300..500 Ohm
- Insulation Resistance: >2000 MOhm
- Safe Overload: 150% F.S.
- Ultimate Overload: 300% F.S.
- 4-wire shielded cable, 40cm long, 3,2mm 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÷+40°C) TX (Ta -20÷+65°C) Ga
  ATEX II 1D Ex ta IIIC TX°C (Ta -20÷+40°C) TX°C (Ta -20÷+65°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 in mm

Wiring Code	
Color	*Function*
YELLOW	SHIELD
WHITE	OUTPUT +
BLUE	INPUT +
RED	OUTPUT -
BLA	INPUT -

VERSIONS

Available models

Code	Max (kg)	Platform l x w Max (mm)
SPO3	3	150x150
SPO5	5	300x300
SPO10	10	300x300
SPO15	15	300x300
SPO20	20	300x300
SPO30	30	300x300

www.diniargeo.com



DINI ARGEO FRANCE sarl
Nogent-sur-Marne

DINI ARGEO GMBH
Sinsheim - Germany

DINI ARGEO UK Ltd
Taunton - United Kingdom

DINI ARGEO WEIGHING INSTRUMENTS Ltd
Shanghai - China

DINI ARGEO WEIGHBRIDGES
Calto (RO) – Italy

DINI ARGEO
Scales - Weighing systems

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SALES AND TECHNICAL ASSISTANCE SERVICE