DINI ARGEO
Scales - Weighing systems

SPSX

SPSX SERIES SINGLE POINT STAINLESS STEEL LOAD CELLS



Stainless steel load cells for off center loads, suitable for example to build CE-M approved scales with a single load cell with maximum dimensions of 600x800 mm.

CAPACITIES (kg): 300, 500.

17-4 PH stainless steel. 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
- MADE IN 17-4 PH STAINLESS STEEL
- IP67 PROTECTION
- MAX. CAPACITIES FROM 300 TO 500 kg
- FOR PLATFORMS WITH DIMENSIONS UP TO 600 X 800 mm
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

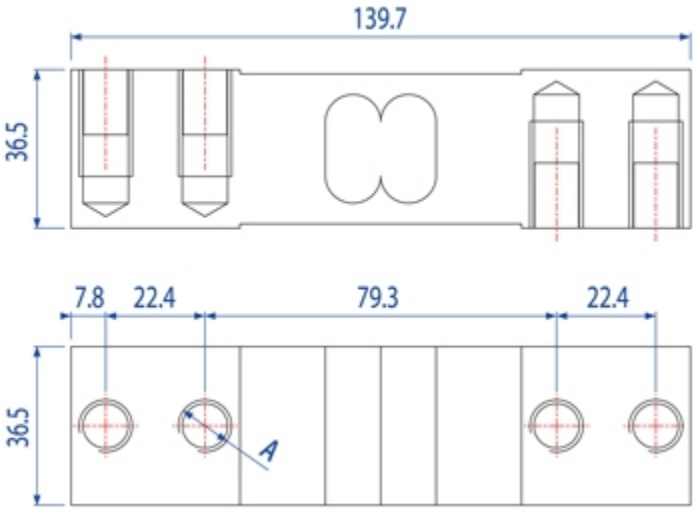
TECHNICAL FEATURES

- 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 at nominal load in 30 minutes: ± 0,01% F.S.
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance: 390 ± 15 Ohm
- Output Resistance: 359 ± 5 Ohm
- Insulation Resistance (100V) >1000 MOhm
- Safe Overload: 300% F.S.
- Ultimate Overload: 300% F.S.
- Nominal displacement: < 0.5 mm
- 6-wire shielded cable, 3m long, 5mm 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



Code	Dimensions in mm
	A
SPSX300	M10
SPSX500	M12

Wiring Code	
Colour	*Function*
WHITE	OUTPUT +
GREEN	SENSE +
BLUE	INPUT +
RED	OUTPUT -
BLACK	INPUT -
GREY	SENSE -

VERSIONS

Available models		
Code	Max (kg)	Platform l x w Max (mm)
SPSX300	300	600 x 800
SPSX500	500	600 x 800

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
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SALES AND TECHNICAL ASSISTANCE SERVICE