DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

SPSZ

SPSZ 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 800x800 mm.

CAPACITIES (kg): 500, 1000.

OIML R60. **C3** precision class.

17-4 PH stainless steel. **IP68 / IP69K** protection.

The best solution for advanced industrial applications

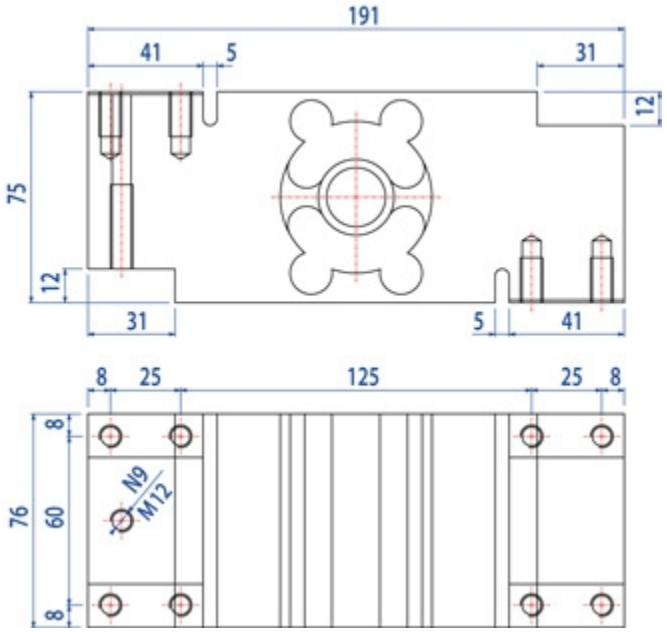
MAIN FEATURES

- C3 PRECISION CLASS
- OFF CENTER LOAD COMPENSATED
- MADE IN 17-4 PH STAINLESS STEEL
- IP68 PROTECTION
- MAX. CAPACITIES FROM 500 TO 1000 kg
- FOR PLATFORMS WITH DIMENSIONS UP TO 800 X 800 mm
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

TECHNICAL FEATURES

- Minimum load cell verification interval:
  Vmin = EMax / 7.500-12.500
- Maximum number of verification intervals: nLC = 3000
- Full Scale Output: 2mV/V +/- 10%
- Temperature effect on zero:
  from ±0,0112% F.S./10K to ±0,0186% F.S/10K
- Temperature effect on full scale output:
  ±0,0117% F.S./10K (-10°C/+20°C)
  ±0,0170% F.S./10K (+20°C/+40°C)
- 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: 380 ± 15 Ohm
- Output Resistance: 300...500 Ohm
- Insulation Resistance (100V) >2000 MOhm
- Safe Overload: 150 % F.S.
- Ultimate Overload: 300% F.S.
- Nominal displacement: < 0.5 mm
- 6-wire shielded cable, 3m long, 5mm diameter

DETAIL 1



Dimensions in mm

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

VERSIONS

Available versions

Codice	Piatto Max (mm)	Max (kg)
SPSZ500	800 x 800	500
SPSZ1000	800 x 800	1000

www.diniargeo.com



DINI ARGEO FRANCE sarl	DINI ARGEO GMBH	DINI ARGEO UK Ltd	DINI ARGEO WEIGHING INSTRUMENTS Ltd	DINI ARGEO OCEANIA
France	Germany	United Kingdom	China	Australia

DINI ARGEO
A RICE LAKE WEIGHING SYSTEMS COMPANY

COMPANY HEADQUARTERS
Via Della Fisica, 20
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 843418

SERVICE ASSISTANCE
Via Dell'Elettronica, 15
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 921784

SALES AND TECHNICAL ASSISTANCE SERVICE

All the specifications and images can be subject to variations and upgrades without prior notice.