DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

SPN

SPN 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; maximum platform dimensions of 800x800 mm.

CAPACITIES (kg): 300, 500, 750.

OIML R60. C3 precision class.

Aluminium alloy. **IP67** protection.

The best solution for advanced industrial applications

MAIN FEATURES

- C3 PRECISION CLASS
- OFF CENTER LOAD COMPENSATED
- ALUMINIUM ALLOY CONSTRUCTION
- IP67 PROTECTION
- MAX. CAPACITIES FROM 300 TO 750 kg
- FOR PLATFORMS WITH DIMENSIONS UP TO 800 X 800 mm
- SHIELDED CONNECTION CABLE
- OIML CERTIFICATE AVAILABLE UPON REQUEST
- TEST CERTIFICATE AVAILABLE UPON REQUEST

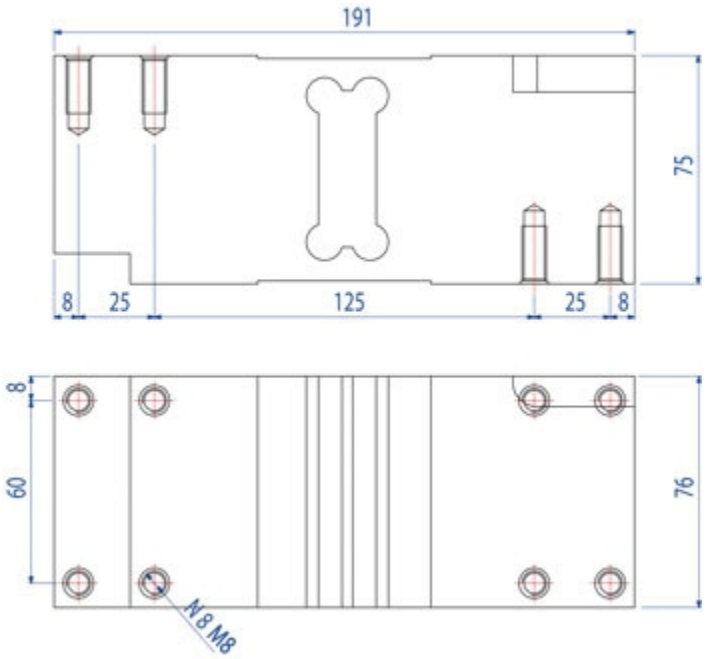
TECHNICAL FEATURES

- Minimum load cell verification interval: Vmin = EMax / 10.000-15.000
- Maximum number of verification intervals: nLC = 3000
- Sensitivity: 2mV/V ± 10%
- Temperature effect on zero:
  from ±0,0093% F.S./10K to ±0,0140%
- Temperature effect on Full Span:
  0,0117% F.S./10K (-10°C/+20°C)
  0,0175% 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 excitation voltage without damage: 15 Vdc
- Input Resistance: 300..500 Ohm
- Output Resistance: 300..500 Ohm
- Insulation Resistance: >2000 MOhm
- Mechanical limit load in service: 150% F.S.
- Destructive load: 300% F.S.
- Deflection at nominal load: <0,5mm
- 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



Dimensions (mm)

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

VERSIONS

Available versions

Codice	Piatto Max (mm)	Max (kg)
SPN300	800x800	300
SPN500	800x800	500
SPN750	800x800	750

www.diniargeo.com



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France	Germany	United Kingdom	China	Australia

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SALES AND TECHNICAL ASSISTANCE SERVICE

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