DINI ARGEO
Scales - Weighing systems

SBX1KL500-2500

SBX-1KL SERIES SHEAR BEAM LOAD CELLS, from 500kg to 2500kg



Stainless steel approved shear beam load cells, with capacities from 500kg to 2500kg, with IP68 protection.
Particularly suitable for creating CE-M approved scales with 4 load cells, or for weighing tanks and hoppers, with the aid of its accessories.

CAPACITIES (kg): 500, 1000, 2000, 2500.

17-4 PH stainless steel. IP68 protection. C3 precision class.

The best solution
for advanced industrial
applications

MAIN FEATURES

- C3 PRECISION CLASS
- 17-4 PH STAINLESS STEEL CONSTRUCTION WITH LASER WELDING
- IP68 PROTECTION
- MAX. CAPACITIES FROM 500 TO 2500 kg
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

TECHNICAL FEATURES

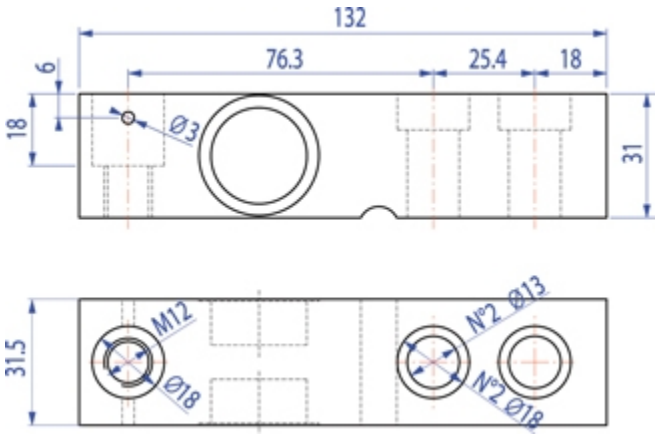
- Minimum load cell verification interval Vmin = EMax / 10.000
- Maximum number of verification intervals nLC = 3000
- Combined error 0,017% of Full Scale Output (F.S.)
- Full Scale Output 2mV/V +/- 0.5%
- Temperature effect on zero 0,002% / °C
- Temperature effect on full scale output 0,002% / °C
- Compensated Temperature Range -10°C/+50°C
- Operating Temperature Range -20°C/+60°C
- Creep error after 30 minutes 0,02% F.S.
- Maximum tolerated excitation voltage 15 VDC
- Input Resistance 1100 ± 20 Ohm
- Output Resistance 1000 ± 20 Ohm
- Insulation Resistance >5000 MOhm
- Safe Overload 150% F.S.
- Ultimate Overload 300% F.S.
- 6-wire shielded cable, 5m long, 5 mm 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.

DIMENSIONS - DECODING STANDARD CABLE

- NOTE: dimensions in mm



- Decoding of the standard cable colours

Colour	Function
--	SHIELD
YELLOW	OUTPUT +
GREY	SENSE +
BROWN	INPUT +
WHITE	OUTPUT -
GREEN	INPUT -
PINK	SENSE -

VERSIONS

Available models

Code	Max (kg)
SBX500-1KL M	500
SBX1000-1KL M	1000
SBX2000-1KL M	2000
SBX2500-1KL M	2500

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ATEX

ISO 9001:2008

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