DINI ARGEO
Scales - Weighing systems

# SBX1KL10000

## SBX-1KL SERIES SHEAR BEAM LOAD CELLS, 10000kg



Stainless steel approved shear beam load cells, with capacities 10000kg, 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): 10000.

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
- CAPACITIES 10000 kg
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

## TECHNICAL FEATURES

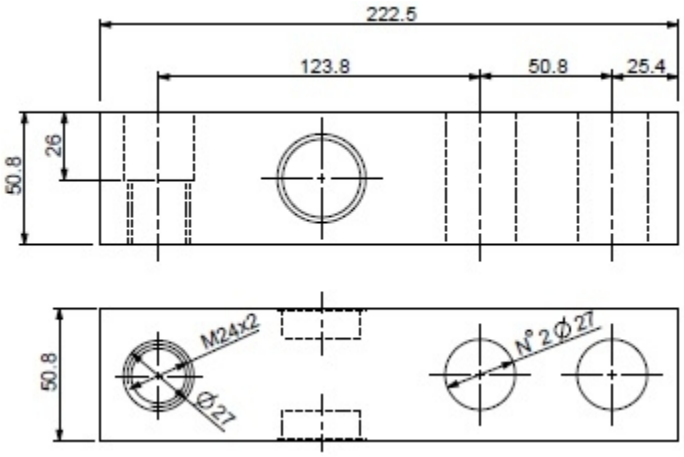
- Minimum load cell verification interval Vmin = EMax / 10.000
- Maximum number of verification intervals nLC = 3000
- Combined error 0,017% of Full Scale Output (F.S.)
- Full Scale Output 2mV/V +/- 0.5%
- Temperature effect on zero 0,002% / °C
- Temperature effect on full scale output 0,002% / °C
- 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) |
|---|---|
| SBX10000-1KL M | 10000 |

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ATEX

ISO 9001:2008

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