DINI ARGEO
Scales - Weighing systems

FXD

FXD SERIES BENDING BEAM LOAD CELLS



Bending beam load cells for approved weighing, automatic systems, dosage.

CAPACITIES (kg): 100, 200, 300, 500.

Stainless steel. IP68 protection. C3 precision class.

The best solution
for advanced industrial
applications

MAIN FEATURES

- C3 PRECISION CLASS
- STAINLESS STEEL
- IP68 PROTECTION
- MAX. CAPACITIES FROM 100 TO 500 kg
- SHIELDED CONNECTION CABLE
- OIML CERTIFICATE AVAILABLE UPON REQUEST
- TEST CERTIFICATE AVAILABLE UPON REQUEST

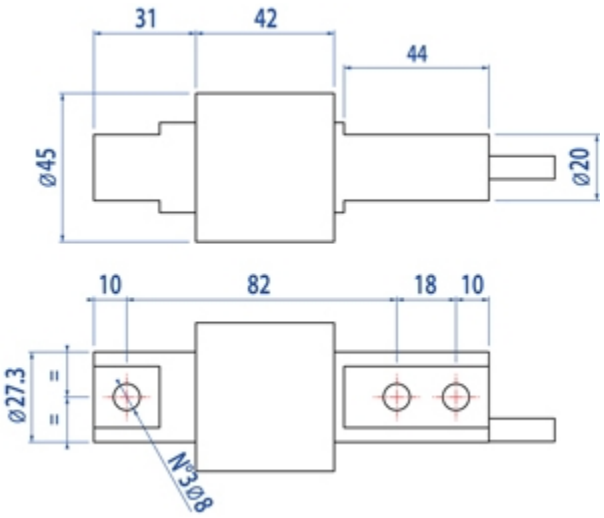
TECHNICAL FEATURES

- Minimum load cell verification interval: Vmin = EMax / 10.000
- Maximum number of verification intervals: nLC= 3000
- Full Scale Output: 2.0 ± 0,002mV/V
- Combined error: 0,017% of Full Scale Output (F.S.)
- Non-Repeatability: 0,015% F.S.
- Temperature effect on zero: +/- 0,02% F.S. / 10°C
- Temperature effect on full scale output: +/- 0,02% F.S. / 10°C
- Compensated Temperature Range: –10°C/+40°C
- Operating Temperature Range: –30°C/+70°C
- Creep error after 30 minutes +/- 0,016% F.S.
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance: 400 ± 20 Ohm
- Output Resistance: 352 ± 3 Ohm
- Insulation Resistance: > 5000 MOhm
- Safe Overload: 120% F.S.
- Ultimate Overload: 150% F.S.
- Nominal displacement: < 0,4 mm
- 4-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*
--	SHIELD
GREEN	OUTPUT +
RED	INPUT +
WHITE	OUTPUT -
BLACK	INPUT -

VERSIONS

Models Available	
Code	Max (kg)
FXD100	100
FXD200	200
FXD300	300
FXD500	500

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ATEX

ISO 9001:2008

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SALES AND TECHNICAL ASSISTANCE SERVICE