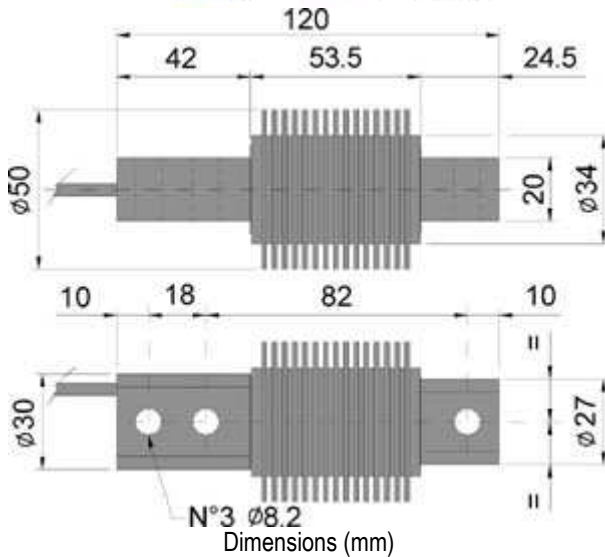


FXC SERIES BENDING BEAM LOAD CELLS



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



Wiring Code	
Colour	Function
--	SHIELD
BLACK	OUTPUT +
RED	INPUT +
BLUE	OUTPUT -
WHITE	INPUT -

MAIN FEATURES

- C3 PRECISION CLASS
- STAINLESS STEEL
- IP68 PROTECTION
- MAX. CAPACITIES FROM 10 TO 500 kg
- SHIELDED CONNECTION CABLE
- OIML CERTIFICATE AVAILABLE UPON REQUEST
- TEST CERTIFICATE AVAILABLE UPON REQUEST

TECHNICAL FEATURES

- Minimum load cell verification interval: $V_{min} = E_{Max} / 10.000$
- Maximum number of verification intervals: $nLC = 3000$
- Full Scale Output: $2mV/V \pm 0,1\%$
- Combined error: 0,017% of Full Scale Output (F.S.)
- Temperature effect on zero: $\pm 0,002\% / ^\circ C$
- Temperature effect on full scale output: $\pm 0,0012\% / ^\circ C$
- Compensated Temperature Range: $-10^\circ C / +40^\circ C$
- Operating Temperature Range: $-20^\circ C / +50^\circ C$
- Creep error after 30 minutes $\pm 0,016\%$ F.S.
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance: 385 ± 20 Ohm
- Output Resistance: 350 ± 5 Ohm
- Insulation Resistance: > 5000 MOhm
- Safe Overload: 200% F.S.
- Ultimate Overload: $> 300\%$ F.S.
- Nominal displacement: $< 0,4$ mm
- 4-wire shielded cable, 3m long, 4mm diameter.

EXTRAS AVAILABLE (at time of order)

- OIML R60 certificate (without surcharge)
- II 1GD ATEX Certificate for each load cell
- Declaration of ATEX conformity of the system (for the code see the pages of the atex weight indicators and MB4 atex barrier kit)

Models Available

Code	Max Capacity kg	Masterpack 4 pcs
FXC10	10	FXC10C
FXC20	20	FXC20C
FXC50	50	FXC50C
FXC100	100	FXC100C
FXC200	200	FXC200C
FXC300	300	FXC300C
FXC500	500	FXC500C

Certification

Code	Description
DCATEXMB4	DECLARATION OF ATEX CONFORMITY OF WHOLE Ex II 2GD IIC T6 T125°C SYSTEM, with relative LABEL OF WHOLE SYSTEM, for NON ATEX weight indicator connected to MB4 Dini Argeo zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option).
CCATEX	ATEX certificate for each load cell for the following categories: II 1G EExia IIC T6 (Ta -20÷+40°C) TX (Ta -20÷+65°C) II 1D tD A20 TX°C (Ta -20÷+40°C) TX°C (Ta -20÷+65°C).