DINI ARGEO
Scales - Weighing systems

STFC

STFC SERIES TENSION LOAD CELLS



Tension load cells CE-M approved for suspended weighing of hoppers, tanks, etc.

CAPACITIES (kg): 2000, 5000, 10000.

Nickel-plated steel. IP67 protection. C3 precision class.

The best solution
for advanced industrial
applications

MAIN FEATURES

- C3 PRECISION CLASS
- NICKEL-PLATED STEEL CONSTRUCTION
- IP67 PROTECTION LEVEL
- MAX. CAPACITIES FROM 2000 TO 10000 kg
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

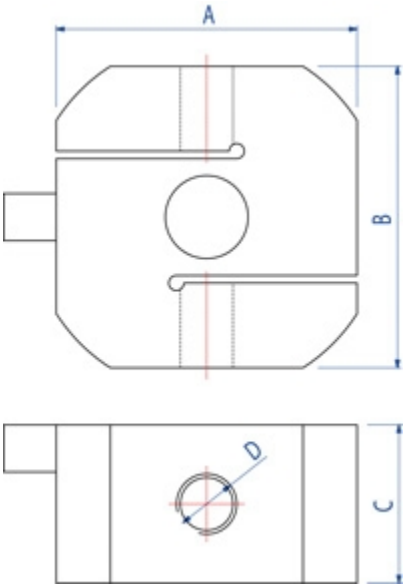
TECHNICAL FEATURES

- Minimum load cell verification interval: Vmin = EMax / 10.000
- Maximum number of verification intervals: nLC = 3000
- Combined error: 0,02% of Full Scale Output (F.S.)
- Full Scale Output: 2mV/V +/- 0,1%
- Temperature effect on zero: 0,0013% /°C
- Temperature effect on full scale output: 0,0014% /°C
- Compensated Temperature Range: –10°C/+40°C
- Operating Temperature Range: -20°C/+60°C
- Creep error after 4 hours: 0,03% F.S.
- Maximum tolerated excitation voltage: 10 VDC
- Input Resistance: 1100 Ohm
- Output Resistance: 1000 Ohm
- Zero balance: +/-1% F.S.
- Insulation Resistance: >5000 MOhm
- Safe Overload: 150% F.S.
- Ultimate Overload: 300% F.S.
- 4-wire shielded cable, 5m 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



Code	Dimensions in mm			
	A	B	C	D
STFC2000	80	80	42	M16
STFC5000	80	80	42	M24x2
STFC10000	80	80	52	M24x2

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

VERSIONS

Available versions	
Code	Max (kg)
STFC2000	2000
STFC5000	5000
STFC10000	10000

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ATEX

ISO 9001:2008

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SALES AND TECHNICAL ASSISTANCE SERVICE