

STFC SERIES TENSION LOAD CELLS



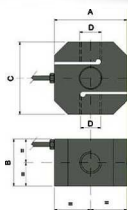
Tension load cells CE-M approved for suspended weighing of hoppers, tanks, etc.

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: $V_{min} = E_{Max} / 10.000$
- Maximum number of verification intervals: $n_{LC} = 3000$
- Combined error: 0,2% of Full Scale Output (F.S.)
- Full Scale Output: 2mV/V +/- 10%
- 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



DIMENSION	CAPACITY		
	2000 kg	5000 kg	10000 kg
A	80	80	80
B	42	42	52
C	80	80	80
D	M16	M24x2	M24x2

EXTRAS AVAILABLE

- Assembly kits
- 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).

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

Available versions

Code	Max Capacity kg	Masterpack 4 pcs
STFC2000	2 000	STFC2000C
STFC5000	5 000	STFC5000C
STFC10000	10 000	STFC10000C

Certification

Code	Description
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).
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).

Assembly kits

Code	Description
KST3	Assembly kits for 2000 kg tension cells
KST4	Assembly kits for tension cells from 5000 to 10000 kg (with maximum capacity of 10000kg safety factor is K=3)