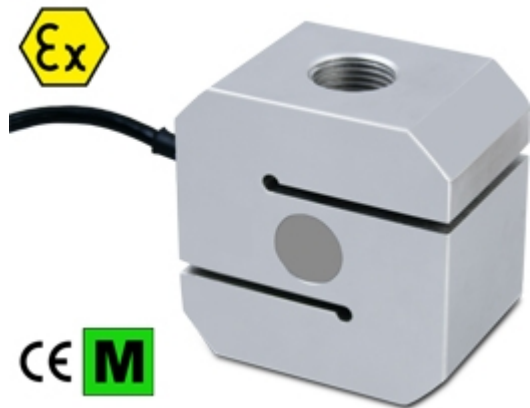


## STFC

### STFC SERIES TENSION LOAD CELLS



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

**CAPACITIES (kg):** 2000, 5000, 10000.

**OIML R60. C3** precision class.

**Nickel-plated** steel. **IP67** protection.

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## 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: 0,02% 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

IN +	Red
IN -	Black
SIG (OUT) +	Green
SIG (OUT) -	White
SENSE +	Violet
SENSE -	Grey

SHIELD	Metal
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## VERSIONS

### Available versions

Codice	Max (kg)
STFC2000	2000
STFC5000	5000
STFC10000	10000



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**SALES AND TECHNICAL ASSISTANCE SERVICE**

All the specifications and images can be subject to variations and upgrades without prior notice.