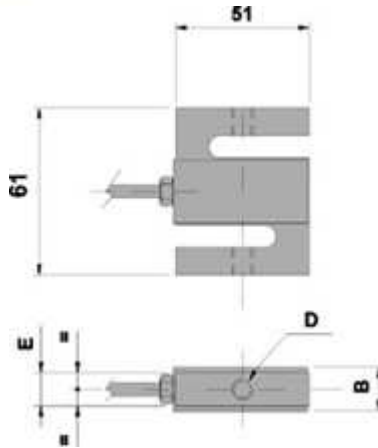


STG SERIES TENSION LOAD CELLS



DIMENSION	CAPACITY	
	50, 100 kg	250, 500 kg
B	15,06	21,41
D	M8	M12
E	11,68	18,03

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

Tension or Compression approved load cells for the weighing hoppers, tanks, scales with levers, and with other weighing devices.

MAIN FEATURES

- C3 PRECISION CLASS
- 17-4 PH STAINLESS STEEL CONSTRUCTION
- IP67 PROTECTION
- MAX. CAPACITIES FROM 50 TO 500 kg
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

TECHNICAL FEATURES

- Minimum load cell verification interval:
Vmin = EMax / 10.000 (for STG250 and STG500 model);
Vmin = EMax / 7.000 (for STG50 and STG100 model)
- Maximum number of verification intervals: nLC = 3000
- Combined error 0,03% of Full Scale Output (F.S.)
- Non-Repeatability: 0,01% F.S.
- Full Scale Output: 3mV/V +/- 0,08%
- Temperature effect on zero: 0,017% /°C
- Temperature effect on full scale output: 0,014% /°C
- Compensated Temperature Range: -10°C/+40°C
- Operating Temperature Range: -35°C/+65°C
- Creep error after 30 minutes: 0,02% F.S.
- Maximum tolerated excitation voltage: 18 VDC
- Input Resistance: 430 ± 60 Ohm
- Output Resistance: 350 ± 3.5 Ohm
- Zero balance: +/-1% F.S.
- Insulation Resistance: >5000 MOhm
- Safe Overload: 150% F.S.
- Ultimate Overload: >300% F.S.
- 4-wire shielded cable, 6m long, 5 mm diameter

EXTRAS AVAILABLE (at time of order)

- 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)

Models available

Code	Max Capacity kg	Masterpack 4 pcs
STG100	100	STG100C
STG500	500	STG500C

Certifications

Code	Description
CCATEX	ATEX certificate for each load cell for the following categories: II 1G EEExia 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
KST1	Assembly kits for tension cells from 50 to 100 kg
KST2	Assembly kits for 250 kg and 500 kg tension cells