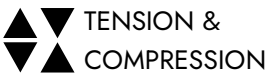
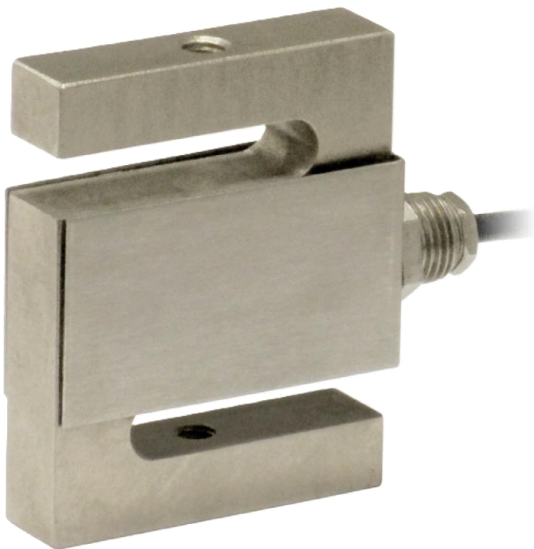


TENSION AND COMPRESSION LOAD CELL



Capacity from 15 kg to 60 kg



- AISI 4140 NICKEL PLATED STEEL
- COMBINED ERROR $\leq \pm 0.02 \%$
- IP65 PROTECTION RATING



mV/V

NOMINAL LOAD (FS) [E_{max}]

kg	kN	Net weight (kg)	Combined error	OIML	EAC	UKCA	Ex	Rated Output (mV/V)
15	0.15	0.28	$\leq \pm 0.02 \%$	•	•	•	•	2.0 $\pm 10\%$
30	0.3	0.28	$\leq \pm 0.02 \%$	•	•	•	•	2.0 $\pm 10\%$
60	0.6	0.28	$\leq \pm 0.02 \%$	•	•	•	•	2.0 $\pm 10\%$

ON REQUEST



TECHNICAL DATA

PRECISION

Rated Output (Cn)	2.0 mV/V ± 10 % at FS
Zero Balance	± 1 %
OIML R60 accuracy class	C3 · 3 000
· verification intervals	
Minimum verification interval (V min)	E max/8 000
Combined error	$\leq \pm 0.02$ %FS
Creep	0.03 % (at 30 min FS)
Temperature coefficient of zero	0.0017 %/°C
Temperature coefficient of sensitivity	0.0013 %/°C
Compensated temperature range	-10...+40 °C
Operating temperature range	-20...+60 °C

MECHANICAL PROPERTIES

Material	AISI 4140 nickel plated steel
Deflection at FN	0.2 mm

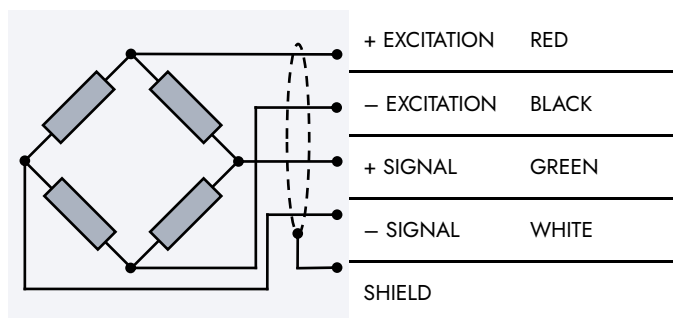
MECHANICAL LIMITS

Safe overload	120 %FS	The highest static load that may be applied once or briefly without mechanical damage.
Ultimate overload	300 %FS	Load at which permanent deformation or mechanical failure (fracture) occurs.

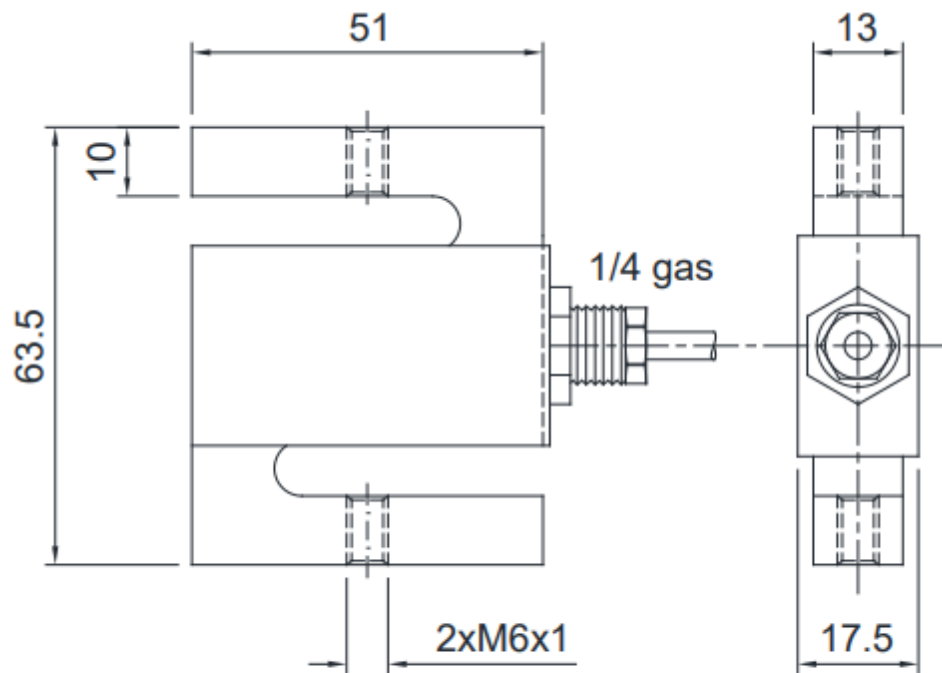
ELECTRICAL PROPERTIES

Bridge configuration	Full Wheatstone bridge, 4-wire
Input resistance	381 $\Omega \pm 10$
Output resistance	350 $\Omega \pm 10$
Insulation resistance	> 5 000 M Ω
Max. supply voltage without damage	15 V
Minimum verification interval (V min)	E _{max} /8 000
Cable diameter	4 mm
Cable cores	4 x 0.24 mm ²
Cable length	3 m

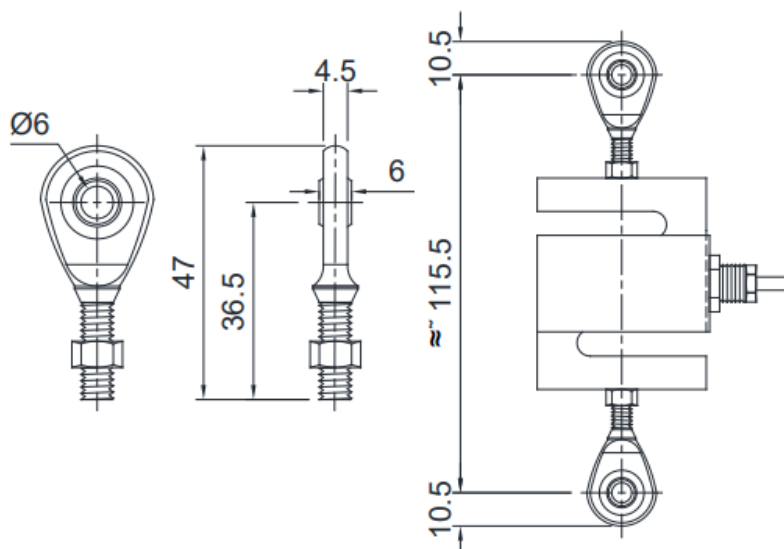
ELECTRICAL CONNECTION



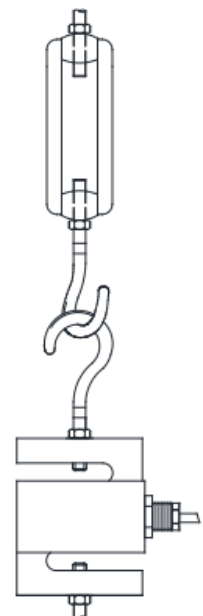
DIMENSIONS (mm)



Overall dimensions with ball-and-socket joints



Example of application on the tension bar mechanical scale



COMPLIANCE AND CERTIFICATION

Protection Rating	IP65 according to IEC 60529	
Compliance	CE, RoHS, REACH	
Calibration	Factory calibrated, ISO 17025 calibration available on request	
HS-CODE	9031.80.80	
Certifications		OIML R60 C3
		Complies with the Eurasian Customs Union regulations
		Equivalent of the CE marking for the United Kingdom
Certifications (on request)		Calibration report
		ATEX (zone 2-22)
		Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
		Complies with Chinese market regulations for use in potentially explosive atmospheres

COMPLEMENTARY ACCESSORIES

LALAS: Steel ball-and-socket joint

- Galvanized C40 steel ball-and-socket joint with nut



Dimensions:
M6x1

Load cell capacity:
15÷60 kg

