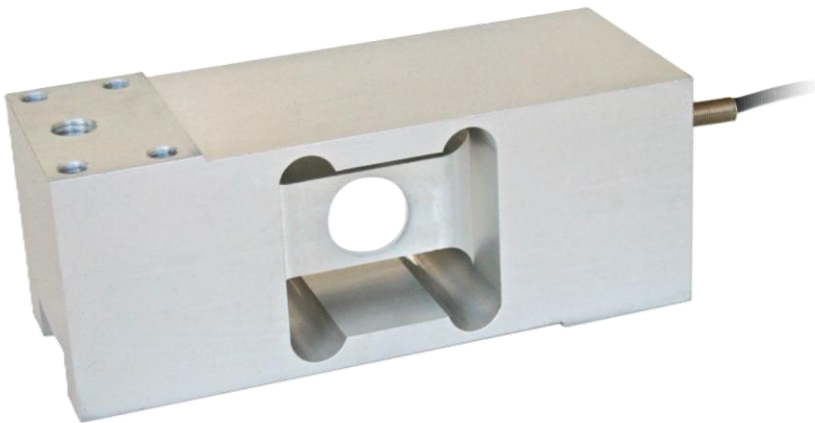


SINGLE-POINT LOAD CELL FOR PLATFORMS

TENSION &
COMPRESSION



- ALUMINUM ALLOY
- COMBINED ERROR $\leq \pm 0.05\%$
- IP65 PROTECTION RATING



Manufactured according to OIML R60 standards

NOMINAL LOAD (FS)

kg	N	Net weight (kg)	PLATFORM (mm) A x B	Rated Output (mV/V)
500	5 000	2.2	800 x 800	2 $\pm$ 10%
1 000	10 000	2.3	800 x 800	2 $\pm$ 10%



TECHNICAL DATA

PRECISION

Rated Output (Cn)	2 mV/V ±10 % at FS
Zero Balance	±2 %
Combined error	≤ ±0.05 %FS
Creep	0.03 % (at 30 min FS)
Temperature coefficient of zero	0.0025 %/°C
Temperature coefficient of sensitivity	0.0025 %/°C
Compensated temperature range	-10...+40 °C
Operating temperature range	-20...+60 °C

MECHANICAL PROPERTIES

Material	Aluminum alloy
Deflection at FN	0.5 mm

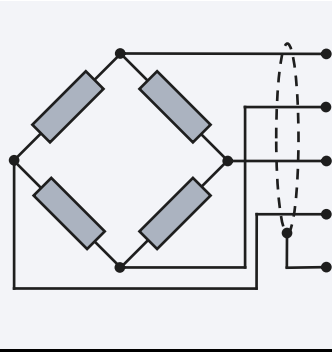
MECHANICAL LIMITS

Safe overload	120 %FS	The highest static load that may be applied once or briefly without mechanical damage.
Ultimate overload	200 %FS	Load at which permanent deformation or mechanical failure (fracture) occurs.

ELECTRICAL PROPERTIES

Bridge configuration	Full Wheatstone bridge, 4-wire (6-wire where provided)
Input resistance	410 Ω ±10
Output resistance	350 Ω ±3
Insulation resistance	> 2 000 MΩ
Max. supply voltage without damage	15 V
Cable diameter	5 mm
Cable cores	4/6 x 0.20 mm²
Cable length	3 m

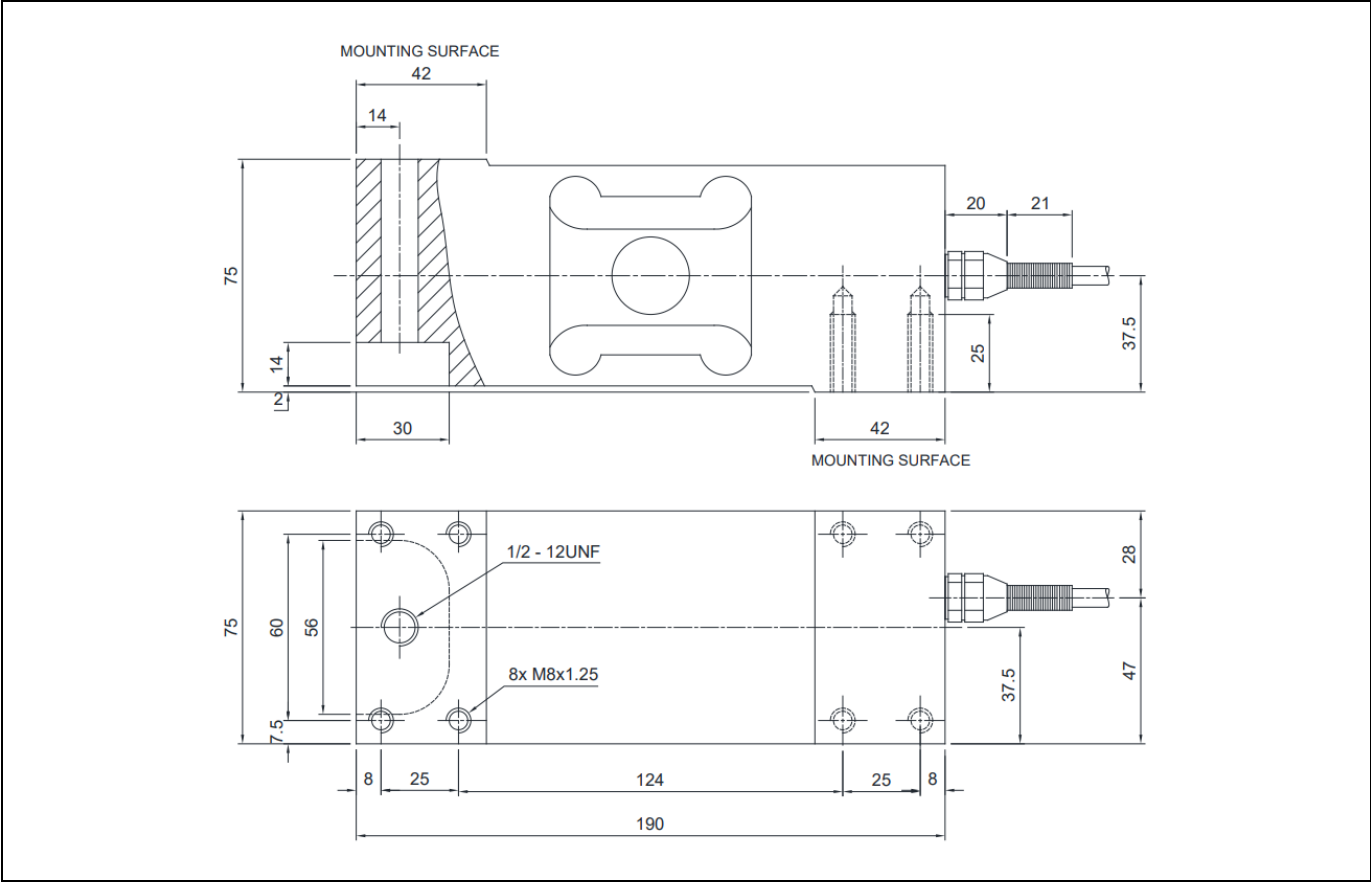
ELECTRICAL CONNECTION



+ EXCITATION	RED
+ REF./SENSE	BLUE
- EXCITATION	BLACK
- REF./SENSE	YELLOW/BROWN
+ SIGNAL	GREEN
- SIGNAL	WHITE
SHIELD	



DIMENSIONS (mm)



For the load cell fixing screws, provide the tightening torque indicated in the table

Screw	M8	
Screw class	6.8	8.8
Tightening torque (Nm)	19	25



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		Complies with the Eurasian Customs Union regulations
		Equivalent of the CE marking for the United Kingdom
Certifications (on request)		Calibration report
		LAT Accredia calibration certificate ISO 376 or ASTM E74 for <u>capacities from 1000 kg to 10000 kg</u>
		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

