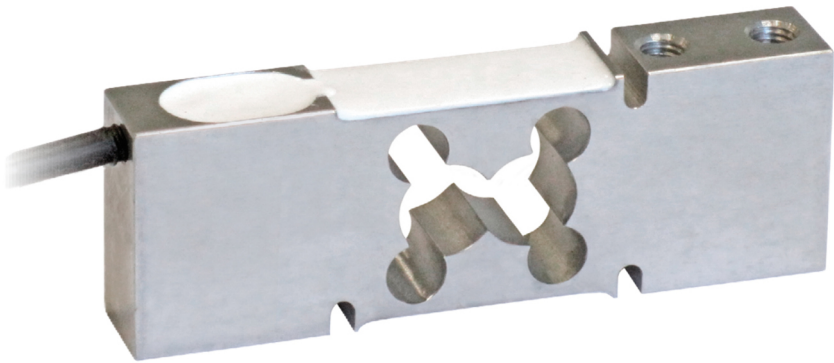


SINGLE-POINT LOAD CELL FOR PLATFORMS

TENSION &
COMPRESSION



- AISI 420 STAINLESS STEEL
- COMBINED ERROR $\leq \pm 0.02\%$
- IP67 PROTECTION RATING



mV/V

Manufactured according to OIML R60 standards

NOMINAL LOAD (FS)

kg	N	Net weight (kg)	PLATFORM (mm) A x B	Rated Output (mV/V)
30	300	0.75	400 x 400	2 $\pm$ 10%
50	500	0.75	400 x 400	2 $\pm$ 10%
75	750	0.75	400 x 400	2 $\pm$ 10%
100	1 000	0.75	400 x 400	2 $\pm$ 10%
150	1 500	0.75	400 x 400	2 $\pm$ 10%



TECHNICAL DATA

PRECISION

Rated Output (Cn)	2 mV/V ± 10 % at FS
Zero Balance	± 1 %
Combined error	$\leq \pm 0.02$ %FS
Creep	0.02 % (at 30 min FS)
Temperature coefficient of zero	0.002 %/°C
Temperature coefficient of sensitivity	0.002 %/°C
Compensated temperature range	-10...+40 °C
Operating temperature range	-20...+60 °C

MECHANICAL PROPERTIES

Material	AISI 420 stainless steel
Deflection at FN	0.3 mm

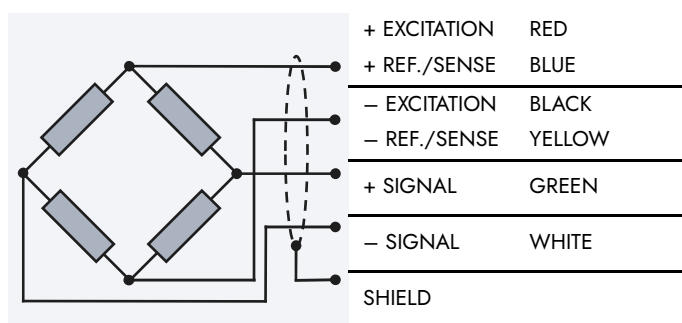
MECHANICAL LIMITS

Safe overload	150 %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.

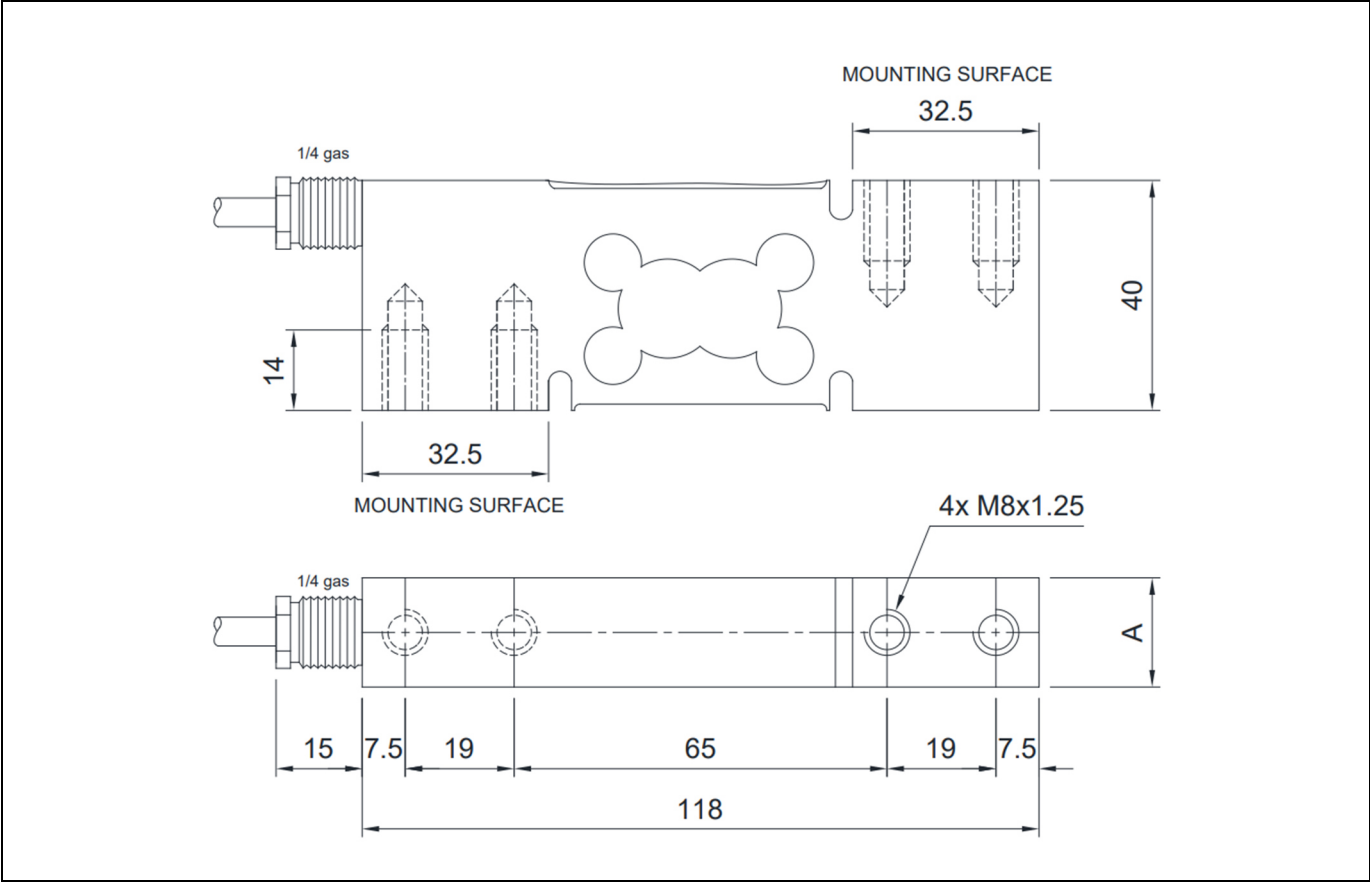
ELECTRICAL PROPERTIES

Bridge configuration	Full Wheatstone bridge, 6-wire
Input resistance	385 Ω ± 30
Output resistance	350 Ω ± 5
Insulation resistance	> 5 000 M Ω
Max. supply voltage without damage	15 V
Cable diameter	4 mm
Cable cores	6 x 0.20 mm ²
Cable length	3 000 mm

ELECTRICAL CONNECTION



DIMENSIONS (mm)



	30 ÷ 100 kg	150 kg
A	19	25

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	IP67 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
		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

