

SINGLE-POINT LOAD CELL FOR PLATFORMS

TENSION &
COMPRESSION



- ALUMINUM ALLOY
- COMBINED ERROR $\leq \pm 0.02\%$
- IP65 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)
3	30	0.5	250 x 400	2 ±10%
6	60	0.5	250 x 400	2 ±10%
15	150	0.5	250 x 400	2 ±10%
30	300	0.5	400 x 600	2 ±10%
50	500	0.5	400 x 600	2 ±10%



TECHNICAL DATA

PRECISION

Rated Output (Cn)	2 mV/V ± 10 % at FS
Zero Balance	± 2 %
Combined error	$\leq \pm 0.02$ %FS
Creep	0.025 % (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

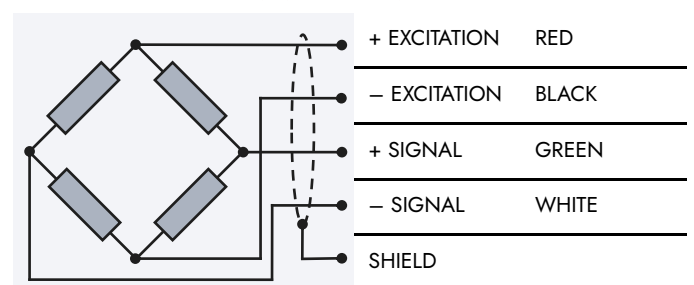
MECHANICAL LIMITS

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.

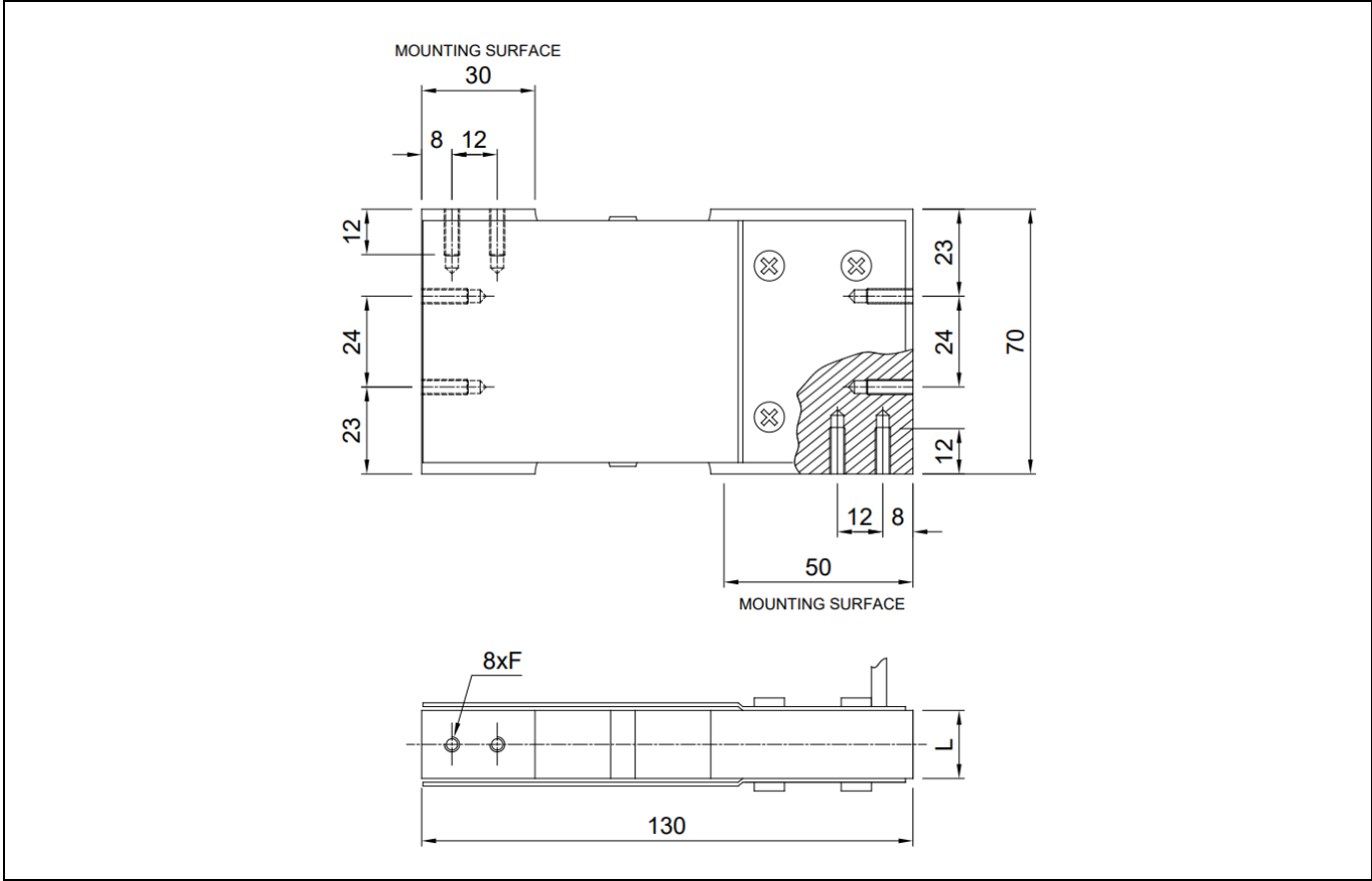
ELECTRICAL PROPERTIES

Bridge configuration	Full Wheatstone bridge, 4-wire
Input resistance	410 Ω ± 10
Output resistance	350 Ω ± 3
Insulation resistance	> 2 000 M Ω
Max. supply voltage without damage	15 V
Cable diameter	4 mm
Cable cores	4 x 0.20 mm ²
Cable length	3 m

ELECTRICAL CONNECTION



DIMENSIONS (mm)



	3 - 6 - 15 kg	30 - 50 kg
L	18	30
F	M4x0.7	M6x1

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

Screw	M4	M6
Screw class	6.8 8.8	6.8 8.8
Tightening torque (Nm)	2.2 3	7.5 10



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
		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

