

SINGLE-POINT LOAD CELL FOR PLATFORMS

TENSION &
COMPRESSION



- ALUMINUM ALLOY
- COMBINED ERROR $\leq \pm 0.02\%$
- IP65 PROTECTION RATING



NOMINAL LOAD (FS) [E_{max}]

kg	N	Net weight (kg)	PLATFORM (mm) A x B	ACCURACY CLASS C3	Rated Output (mV/V)
1 000	10 000	3.8	1 200 x 1 200	●	2 ±10%
2 000	20 000	3.8	1 200 x 1 200	●	2 ±10%



TECHNICAL DATA

PRECISION

Rated Output (Cn)	2 mV/V ± 10 % at FS
Zero Balance	$\leq \pm 1$ %
OIML R60 accuracy class	C3 · 3 000
· verification intervals	
Minimum verification interval (V min)	E max/7 000
Combined error	$\leq \pm 0.02$ %FS
Creep	0.02 % (at 30 min FS)
Temperature coefficient of zero	0.0017 %/°C
Temperature coefficient of sensitivity	0.0014 %/°C
Compensated temperature range	-10...+40 °C
Operating temperature range	-35...+65 °C

MECHANICAL PROPERTIES

Material	Aluminum alloy
Deflection at FN	0.8 mm

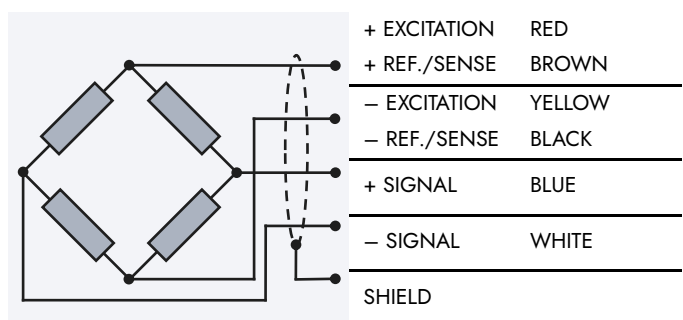
MECHANICAL LIMITS

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.

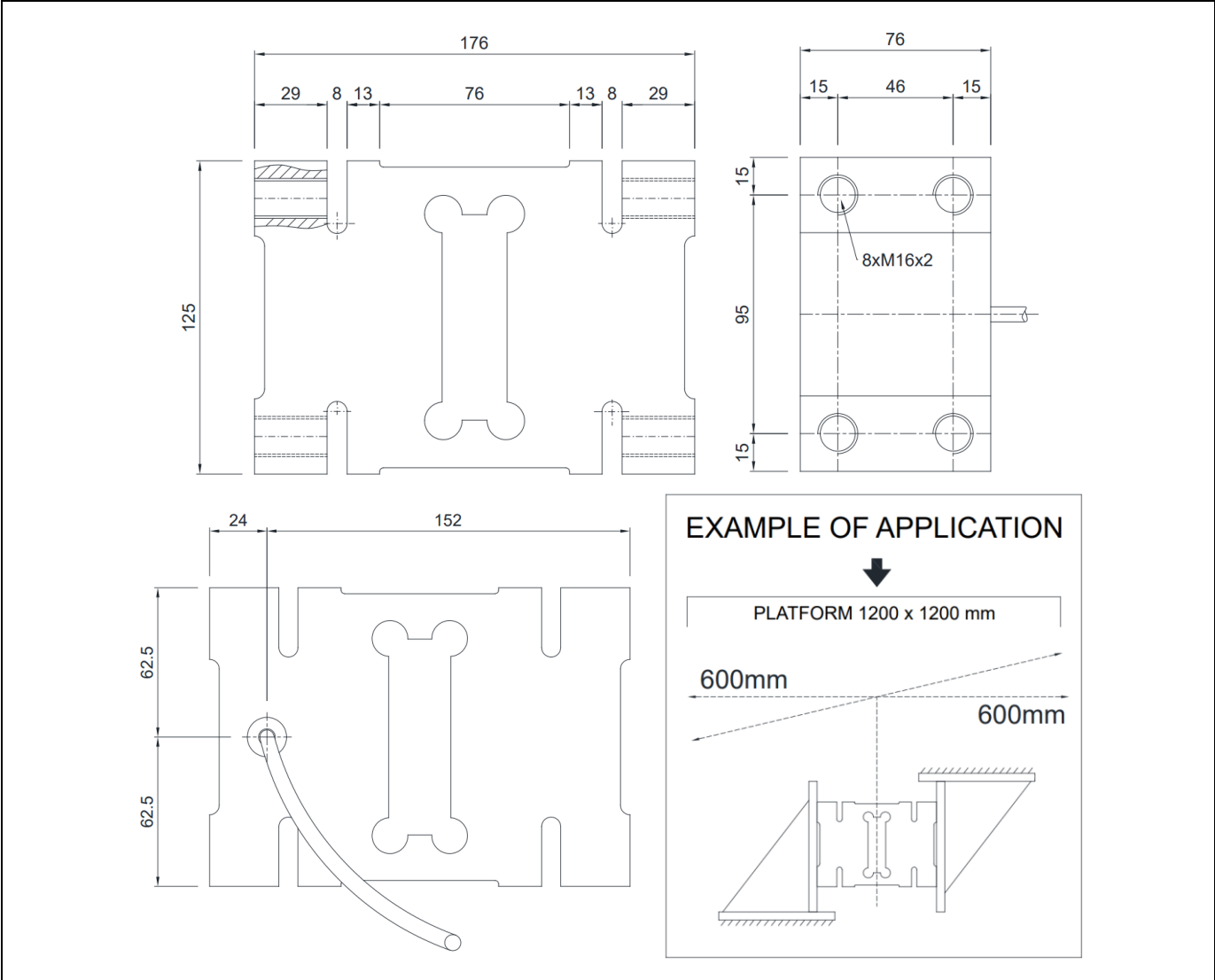
ELECTRICAL PROPERTIES

Bridge configuration	Full Wheatstone bridge, 6-wire
Input resistance	406 $\Omega \pm 6$
Output resistance	350 $\Omega \pm 3$
Insulation resistance	$\geq 5\,000$ M Ω
Max. supply voltage without damage	18 V
Minimum verification interval (V min)	E _{max} /7 000
Cable diameter	6 mm
Cable cores	6 x 0.20 mm ²
Cable length	3 m

ELECTRICAL CONNECTION



DIMENSIONS (mm)



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

Screw	M16	
Screw class	6.8	8.8
Tightening torque (Nm)	165	215



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
Certifications (on request)		Equivalent of the CE marking for the United Kingdom
		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

