AZLI

SINGLE-POINT LOAD CELL for platforms 400x400/800x800 mm

LAUMAS®

Capacity from 100 kg to 500 kg



Capacity from 10 kg to 50 kg



- 17-4 PH STAINLESS STEEL
- COMBINED ERROR ≤ ±0.02% (0.017% C4)
- IP68 PROTECTION RATING

MOUNTING KIT



T8AZL capacity 50 kg

Can be used for systems with at least 3 supports

CAPACITY kg	ACCURACY CLASS C3	C4		PLATFORM (mm)	NET WEIGHT (kg)
10	•	•	–	400 x 400	0.9
20	•	•	•	400 x 400	0.9
50	•	•	•	400 x 400	1
100	•	–	•	800 x 800	2.7
200	•	–	•	800 x 800	2.7
300	•	–	•	800 x 800	2.8
500	•	–	•	800 x 800	2.8

ON REQUEST

CERTIFICATIONS

OIML R60 C3

Complies with the Eurasian Customs Union regulations

Equivalent of the CE marking for the United Kingdom

CERTIFICATIONS ON REQUEST

IP69K — Declaration of conformity + IP69K marking protection rating
Water protection in case of high-pressure or steam jet cleaning (test: pressurized water is sprayed from a distance of max 150 mm)
Water pressure: 100 bar; temperature: 80 °C; test duration: 250 seconds (reference standard: DIN 40050-9)

Calibration report

ATEX *(zone 2-22)*

ATEX/IECEx *(zone 1-21)*

OIML R60 C4

Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres

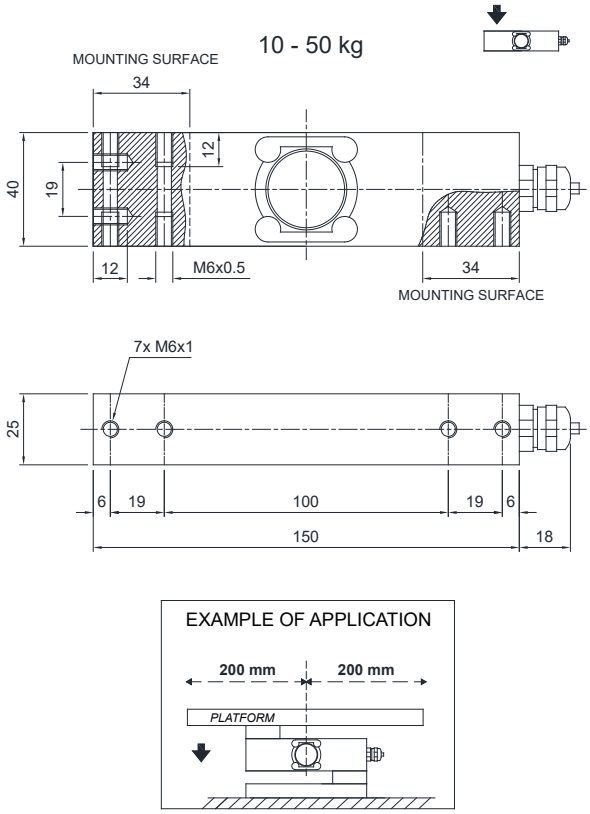
FM HazLoc - Complies with the United States and Canada regulations for use in potentially explosive atmospheres

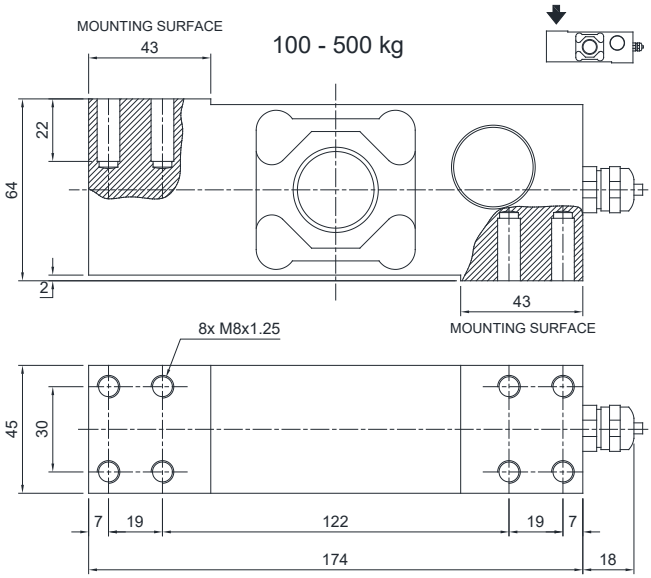
Complies with Chinese market regulations for use in potentially explosive atmospheres

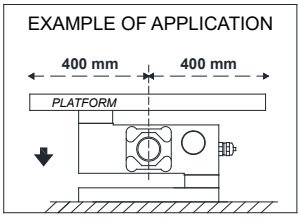
NTEP - Complies with United States regulations for legal for trade use

Rev. 0.0

DIMENSIONS (mm)







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

Screw	M6		M8	
Screw class	6.8	8.8	6.8	8.8
Tightening torque	7.5 Nm	10 Nm	19 Nm	25 Nm

The Company reserves the right to make changes to the technical data, drawings and images without notice.

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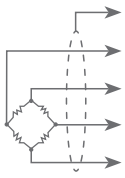
TECHNICAL FEATURES

Material	17-4 PH stainless steel	
OIML R60 Accuracy class • Verification intervals	C3 • 3000	C4 • 4000
Nominal load (E max)	10 - 20 - 50 - 100 - 200 - 300 - 500 kg	10 - 20 - 50 kg
Minimum verification interval (V min)	E max / 10000	E max / 40000
Combined error	≤ ±0.02%	≤ ±0.017%
Protection rating	IP68	

Rated output	2 mV/V ±10%	Input resistance	350 Ω ±3.5
Temperature effect on zero	0.0017% °C	Output resistance	350 Ω ±3.5
Temperature effect on span	0.0014% °C	Zero balance	±2%
Compensated temperature range	-10 °C / +40 °C	Insulation resistance	≥5000 MΩ
Operating temperature range	-35 °C / +65 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.02%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	18 V	Deflection at nominal load	0.5 mm

ELECTRICAL CONNECTIONS

Cable length	3 m
Cable diameter	5 mm
Cores	4/6 x 0.20 mm²



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

■ where provided

COMPLEMENTARY ACCESSORIES

	DESCRIPTION	MODEL
	Stainless steel drawn block for capacities up to 50 kg.	BLOCPRC
	Stainless steel drawn block for capacities from 100 to 500 kg.	BLOCAPL

Rev. 0.0