

SP6

SINGLE-POINT LOAD CELL for platforms 400x400 mm



Capacity from 10 kg to 100 kg

- ALUMINUM ALLOY
- COMBINED ERROR $\leq \pm 0.02\%$ (0.017% C4)
- PROTECTION CLASS IP65



CAPACITY	kg	ACCURACY CLASS		PLATFORM (mm)	NET WEIGHT (kg)	CODE
		C3	C4			
10		•	-	400 x 400	0.4	SP6-10
15		•	•	400 x 400	0.4	SP6-15
20		•	•	400 x 400	0.4	SP6-20
30		•	•	400 x 400	0.4	SP6-30
50		•	•	400 x 400	0.4	SP6-50
100		•	-	400 x 400	0.4	SP6-100

CERTIFICATIONS

OIML R60 C3

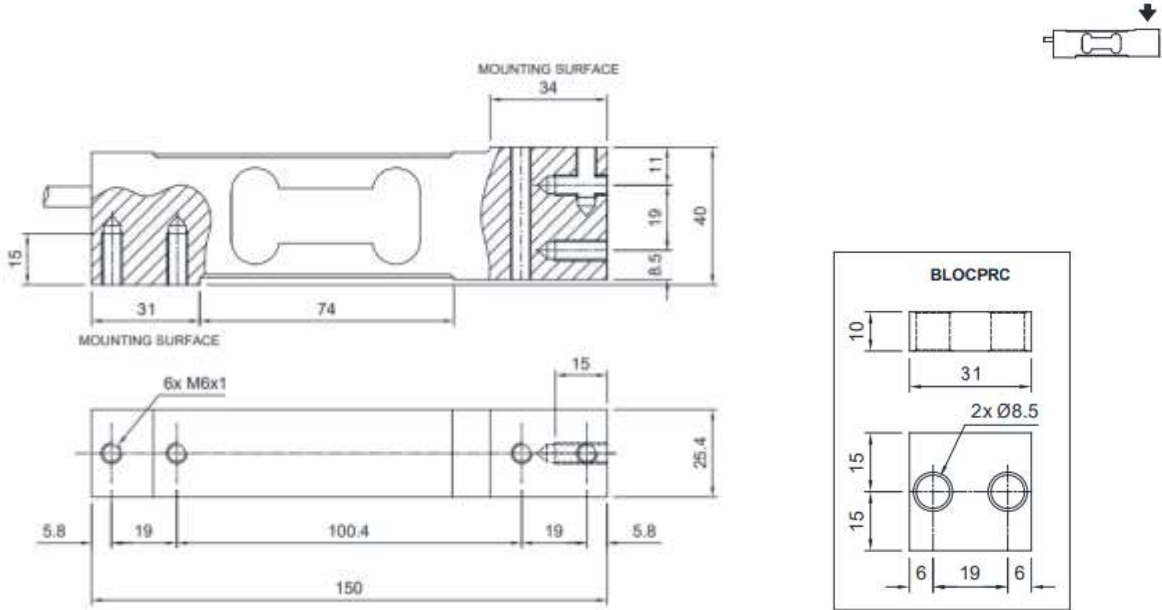
CERTIFICATIONS ON REQUEST

OIML R60 C4

SP6

SINGLE-POINT LOAD CELL for platforms 400x400 mm

DIMENSIONS (mm)



TECHNICAL FEATURES

Material	Aluminum alloy	
OIML R60 Accuracy class • Verification intervals	C3 • 3000	C4 • 40000
Nominal load (E max)	10 - 15 - 20 - 30 - 50 - 100 kg	15 - 20 - 30 - 50 kg
Minimum verification interval (V min)	E max / 12000	E max / 15000
Combined error	≤ ±0.02%	≤ ±0.017%
Protection class	IP65	

Rated output	2mV/V ± 10%	Input resistance	409 Ω ±6
Temperature effect on zero	0.0017% °C	Output resistance	350 Ω ±3
Temperature effect on span	0.0014% °C	Zero balance	≤ ±1 %
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	6 m
Cable diameter	5 mm
Cores	6 × 0.20 mm ²

