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CA
Anchor Load Cell

Manufactured according to OIML R60 standards

LAUMAS® ELETTRONICA

DESCRIPTION

- Capacity from 30000 kg to 250000 kg
- 17-4 PH STAINLESS STEEL
- COMBINED ERROR ≤ ±0.1%
- PROTECTION CLASS IP68

CAPACITY kg			Ø INTERNALØ	EXTERNAL	NET WEIGHT OF LOAD CELL (kg)	CODE
30000	•	•	50 mm	163 mm	-C	A50/30T
50000	•	•	50 mm	163 mm	-C	A50/50T
75000	•	•	50 mm	163 mm	-C	A50/75T
50000	•	•	75 mm	163 mm	-C	A75/50T
75000	•	•	75 mm	163 mm	-C	A75/75T
75000	•	•	120 mm	229 mm	-C	A120/75T
100000	•	•	120 mm	229 mm	-C	A120/100T
125000	•	•	120 mm	229 mm	-C	A120/125T
125000	•	•	165 mm	275 mm	-C	A165/125T
150000	•	•	165 mm	275 mm	-C	A165/150T
180000	•	•	165 mm	275 mm	-C	A165/180T
180000	•	•	225 mm	320 mm	-C	A225/180T
250000	•	•	225 mm	320 mm	-C	A225/250T

ON REQUEST

CERTIFICATIONS

	CERTIFICATIONS ON REQUEST
✓	Calibration report (ACCREDIA LAT traceability)
Ex	ATEX II 1GD (zone 0-1-2-20-21-22)
IECEx	IECEx (zone 0-1-2-20-21-22)
EAC	Complies with the Eurasian Custom Union regulations (Russia, Belarus, Kazakhstan)

OPTIONS ON REQUEST

	DESCRIPTION
◈	Two redundant strain gauges Wheatstone bridges (350Ω) with two output cables; for dual safety systems

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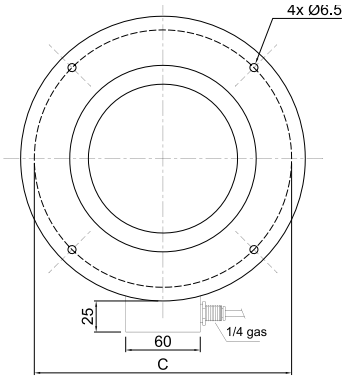
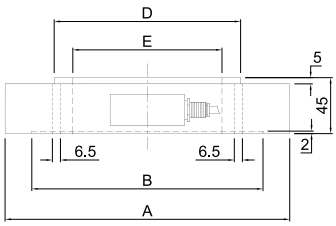
COMPLEMENTARY ACCESSORIES

DESCRIPTION			CODE
Galvanized steel plates for load distribution.	Dimensions:	for load cell:	
Upper plate Lower plate	Ø98x25 mm Ø170x25 mm	CA50/ ...	PIAS50CASUP PIAS50CAINF
Upper plate Lower plate	Ø98x27.5 mm Ø170x25 mm	CA75/ ...	PIAS75CASUP PIAS75CAINF
Upper plate Lower plate	Ø150x27.5 mm Ø240x30 mm	CA120/ ...	PIAS120CASUP PIAS120CAINF
Upper plate Lower plate	Ø199x30 mm Ø290x30 mm	CA165/ ...	PIAS165CASUP PIAS165CAINF
Upper plate Lower plate	Ø250x30 mm Ø330x35 mm	CA225/ ...	PIAS225CASUP PIAS225CAINF

TECHNICAL FEATURES - DIMENSIONS





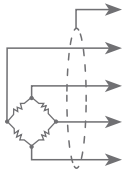
	CA50	CA75	CA120	CA165	CA225
A	163	163	229	275	320
B	131.5	131.5	186.5	231	285
C	145	145	207	252	302
D	95	95	150	195	250
E	50	75	120	165	225
kg	5	5	9	14	20

Material	17-4 PH stainless steel
Nominal load (E max)	30000 - 50000 - 75000 - 100000 - 125000 - 150000 - 180000 - 250000 kg
Combined error	≤ ±0.1%
Protection class	IP68

Rated output	2 mV/V ± 0.1%	Input resistance	700 Ω ±20
Temperature effect on zero	0.005% °C	Output resistance	700 Ω ±5
Temperature effect on span	0.005% °C	Zero balance	± 1%
Compensated temperature range	-10 °C /+ 50 °C	Insulation resistance	> 5000 MΩ
Operating temperature range	-20 °C /+ 70 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.03%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	15 V	Deflection at nominal load	0.4 mm

ELECTRICAL CONNECTIONS

Cable lenght	5 m
Cable diameter	5 mm
Cores	4 x 0.25 mm ²/6 x 0.14 mm ²



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

■ where provided

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