



Manufactured according to OIML R60 standards

Capacity from 30000 kg to 250000 kg

- 17-4 PH STAINLESS STEEL
- COMBINED ERROR $\leq \pm 0.1\%$
- PROTECTION CLASS IP68



CAPACITY	kg	Ø INTERNAL	Ø EXTERNAL	NET WEIGHT (kg)	CODE
30000		50 mm	163 mm	-	CA50/30T
50000		50 mm	163 mm	-	CA50/50T
75000		50 mm	163 mm	-	CA50/75T
50000		75 mm	163 mm	-	CA75/50T
75000		75 mm	163 mm	-	CA75/75T
75000		120 mm	229 mm	-	CA120/75T
100000		120 mm	229 mm	-	CA120/100T
125000		120 mm	229 mm	-	CA120/125T
125000		165 mm	275 mm	-	CA165/125T
150000		165 mm	275 mm	-	CA165/150T
180000		165 mm	275 mm	-	CA165/180T
180000		225 mm	320 mm	-	CA225/180T
250000		225 mm	320 mm	-	CA225/250T

CERTIFICATIONS



Complies with the Eurasian Customs Union standards



Equivalent of the CE marking for the United Kingdom

CERTIFICATIONS ON REQUEST



Accredia traceable calibration report



ATEX II 1GD (zone 0-1-2-20-21-22) (CE - UKCA)



IECEx (zone 0-1-2-20-21-22)



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

OPTIONS ON REQUEST

DESCRIPTION



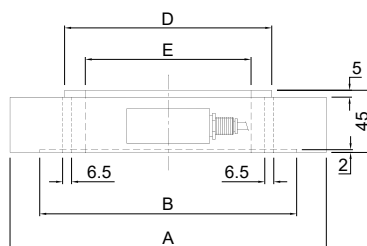
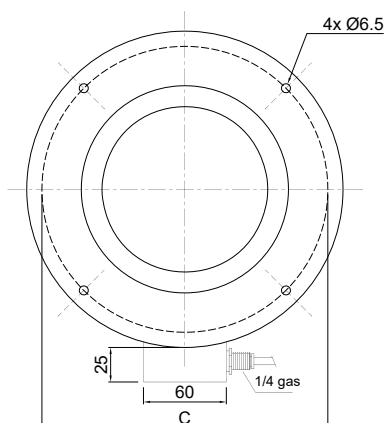
Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.

COMPLEMENTARY ACCESSORIES



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

TECHNICAL FEATURES - DIMENSIONS

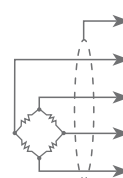


	CA50	CA75	CA120	CA165	CA225
A	163	163	229	275	320
B	131.5	131.5	186.5	231	285
C	145	145	207	252	302
D	95	95	150	195	250
E	50	75	120	165	225
kg	5	5	9	14	20

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	-20 °C / +70 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-30 °C / +90 °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 length	5 m
Cable diameter	5 mm
Cores	6 x 0.14 mm ²



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