



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

**EAC** Complies with the Eurasian Customs Union standards

**UK CA** Equivalent of the CE marking for the United Kingdom

#### CERTIFICATIONS ON REQUEST

✓ Accredia traceable calibration report

**Ex** ATEX II 1GD (zone 0-1-2-20-21-22) ( **CE** - **UK CA** )

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

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

### OPTIONS ON REQUEST

#### DESCRIPTION



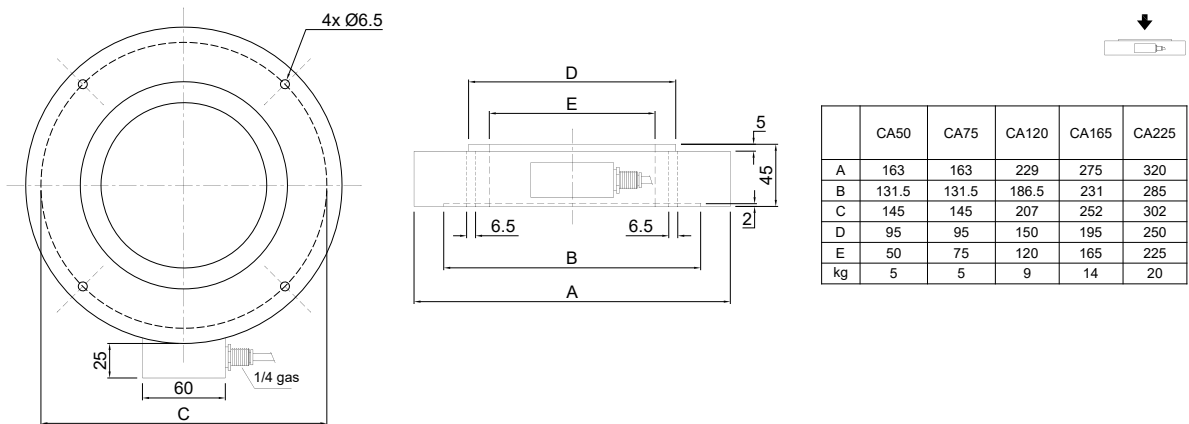
Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.

### COMPLEMENTARY ACCESSORIES



DESCRIPTION	DIMENSIONS		CODE
Galvanized steel plates for load distribution.	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



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 <sup>2</sup>

