FTP

SHEAR BEAM AND BENDING LOAD CELLS

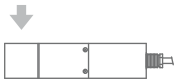
LAUMAS® ELETTRONICA



SHEAR BEAM: capacity from 500 kg to 10000 kg



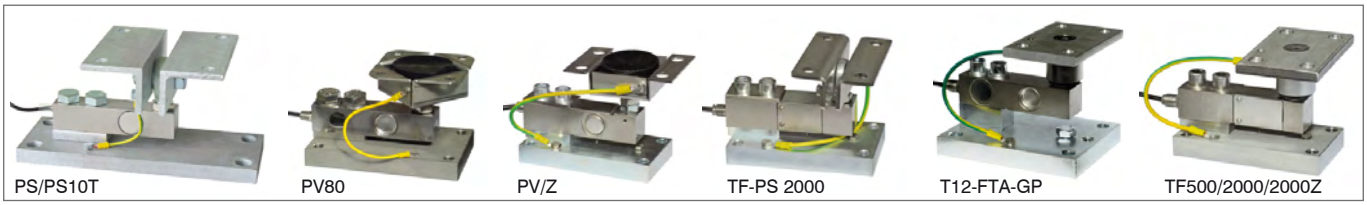
- AISI 420 STAINLESS STEEL
- COMBINED ERROR ≤ ±0.02%
- PROTECTION CLASS IP67, IP68



BENDING BEAM: capacity from 75 kg to 300 kg



MOUNTING KITS



CAPACITY kg	ACCURACY CLASS (OIML)	IECEx / Ex	EAC	NET WEIGHT OF LOAD CELL (kg)	CODE
75	C3	•	•	0.9	FTP75
150	C3	•	•	0.9	FTP150
300	C3	•	•	0.9	FTP300
500	C3	•	•	0.9	FTP500
750	C3	•	•	0.9	FTP750
1000	C3	•	•	0.9	FTP1000
1200	C3	•	•	0.9	FTP1200
1500	C3	•	•	0.9	FTP1500
2000	C3	•	•	0.9	FTP2000
3000	–	•	•	1.6	FTP3000
5000	–	•	•	1.6	FTP5000
10000	–	•	•	3.8	FTP10000

ON REQUEST

CERTIFICATIONS

OIML R60 C3 *(see capacities table)*

CERTIFICATIONS ON REQUEST

Ex	ATEX II 1GD *(zone 0-1-2-20-21-22)*
IECEx Ex	IECEx II 1GD *(zone 0-1-2-20-21-22)*
EAC	Complies with the Eurasian Custom Union regulations (Russia, Belarus, Kazakhstan)

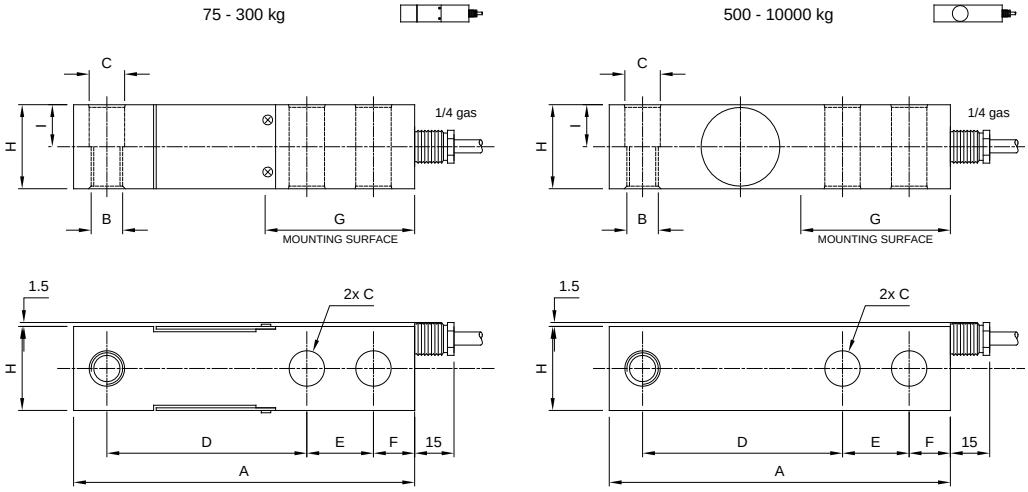
Rev. 00 del 12/03/2015

FTP

SHEAR BEAM AND BENDING LOAD CELLS

LAUMAS® ELETTRONICA

DIMENSIONS (mm)



	75 - 2000 kg	3000 - 5000 kg	10000 kg
A	130	171.5	222.3
B	M12x1.75	M20x2.5	M24x2
C	Ø 13.5	Ø 21	Ø 26.2
D	76.2	95.3	123.8
E	25.4	38.1	50.8
F	15.7	19.1	25.4
G	52	72.5	102
H	32	38	50.8
I	16	19	25.4

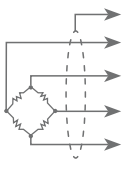
TECHNICAL FEATURES

Material	AISI 420 stainless steel	
OIML R60 Accuracy class • Verification intervals	C3 • 3000	-
Nominal load (E max)	75 -150 -300- 500 - 750 kg 1000 - 1200 - 1500 - 2000 kg	3000 - 5000 - 10000 kg
Minimum verification interval (V min)	E max / 15000	-
Combined error	≤ ±0.02%	
Protection class	IP67 (75 - 300 kg), IP68 (500 - 10000 kg)	
Input resistance	385 Ω ±10	400 Ω ±15
Output resistance	350 Ω ±3	350 Ω ±5

Rated output	2 mV/V ±0.1%	Max supply voltage without damage	15 V
Temperature effect on zero	0.002% °C	Zero balance	±2%
Temperature effect on span	0.0012% °C	Insulation resistance	≥5000 MΩ
Compensated temperature range	-10 °C / +40 °C	Safe overload (% of full scale)	150%
Operating temperature range	-20 °C / +70 °C	Ultimate overload (% of full scale)	200%
Creep at nominal load in 30 minutes	0.03%	Deflection at nominal load	0.4 mm

ELECTRICAL CONNECTIONS

Cable lenght	5 m (75 - 5000 kg) 10 m (10000 kg)
Cable diameter	5 mm
Cores	4/6 x 0.25 mm²



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

■ where provided

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