FLC 3A

HYGIENIC COMPRESSION LOAD CELL - FOR FOOT

LAUMAS®

Capacity from 1000 kg to 20000 kg



EXAMPLE OF INSTALLATION ON HYGIENIC FOOT



- 17-4 PH STAINLESS STEEL
- COMBINED ERROR ≤ ±0.1%
- IP69K PROTECTION RATING
- CABLE SUITABLE FOR CONTACT WITH FOOD
- ADJUSTABLE HEIGHT
- HYGIENIC DEVICE RPSCQC AUTHORIZED BY 3-A SSI.

CAPACITY kg	THREAD	NET WEIGHT (kg)
1000	M12	1.6
2000	M12	1.52
5000	M16	1.7
5000	M20	1.7
10000	M24	1.7
10000	M30	2.21
20000	M36	2.5

Foot not included.

CERTIFICATIONS

UK CA Equivalent of the CE marking for the United Kingdom

American standard that regulates the design, production and use of hygienic equipment

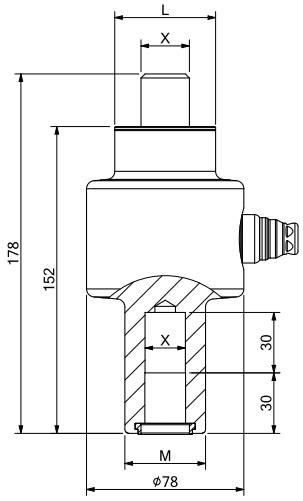
CERTIFICATIONS ON REQUEST
Calibration report
LAT Accredia calibration certificate ISO 376 or ASTM E74 for capacities from 1000 kg to 10000 kg
ATEX *(zone 2-22)*
ATEX/IECEx *(zone 1-21)*

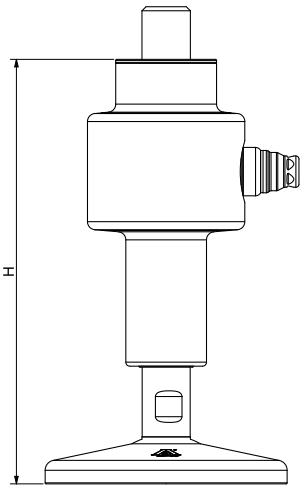
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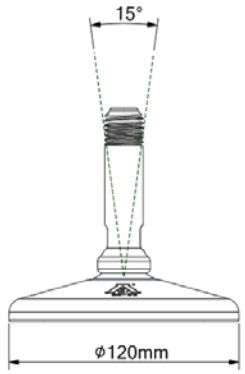
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DIMENSIONS AND TECHNICAL SPECIFICATIONS







ANGULAR ADJUSTMENT

CAPACITY	X	L (mm)	M (mm)	H (FLC+HD)
1000 kg	M12x1.75	24	40	200÷210 mm
2000 kg	M12x1.75	24	40	
5000 kg	M16x2	30	40	
5000 kg	M20x2.5	35	40	
10000 kg	M24x3	50	40	
10000 kg	M30x3.5	50	50	
20000 kg	M36x4	50	50	

Installation notes:

- screw the foot all the way in;
- slightly unscrew the foot to adjust (maximum excursion: 10 mm).

For further information see the HD data sheets
On request: hygienic foot with dowel fastening

For other types of hygienic, non-hygienic feet or customizations contact https://martinlevelling.it

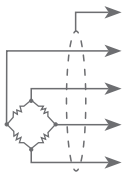
TECHNICAL FEATURES

Material	17-4 PH stainless steel
Nominal load	1000 - 2000 - 5000 - 10000 - 20000 kg
Combined error	≤ ±0.1%
Protection rating	IP69K

Rated output	2.0 mV/V ±0.1%	Input resistance	350 Ω ±20
Temperature effect on zero	0.005% °C	Output resistance	350 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	0.05%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	5 ÷ 15 VDC	Deflection at nominal load	0.3 mm

ELECTRICAL CONNECTIONS

Cable length	5 m: 1000 kg, 2000 kg, 5000 kg, 10000 kg (M24) 10 m: 10000 kg (M30), 20000 kg
Cable diameter	5 mm
Cores	6 x 0.20 mm²



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

The Company reserves the right to make changes to the technical data, drawings and images without notice.

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ISO 9001
ISO 14001