CLR

COMPRESSION/TENSION LOAD CELLS

Capacity from 500 kg to 200000 kg

- 17-4 PH STAINLESS STEEL
- SPOKE TYPE STRUCTURE
- COMBINED ERROR ≤ ±0.03%
- PROTECTION RATING: IP68 (500 - 30000 kg) - IP67 (60000 - 200000 kg)
- HIGH FATIGUE RESISTANCE: OVER 20 MILLION WORKING CYCLES

CAPACITY kg	CONNECTION TYPE	NET WEIGHT (kg)
500	cable gland M8	-
1000	cable gland M8	-
2000	cable gland M8	-
	connector	-
5000	cable gland M8	-
	connector	-
10000	cable gland M8	-
	connector	-
20000	cable gland M8	-
	connector	-
30000	cable gland M8	-
	connector	-
60000	connector	-
100000	connector	-
200000	connector	-

CERTIFICATIONS

UK CA Equivalent of the CE marking for the United Kingdom

CERTIFICATIONS ON REQUEST
Calibration report
ATEX *(zone 2-22)*
ATEX/IECEx *(zone 1-21)*

Rev. 0.0

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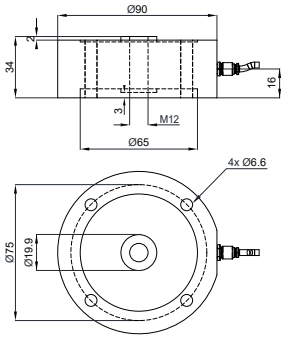
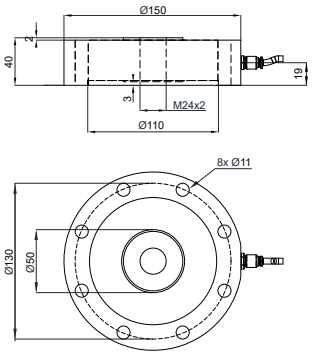
LAUMAS®

DIMENSIONS (mm)

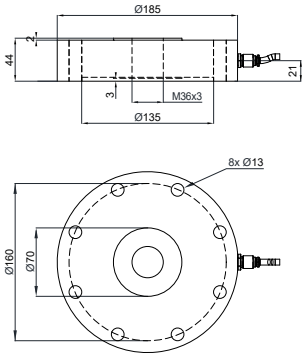
500 - 1000 kg



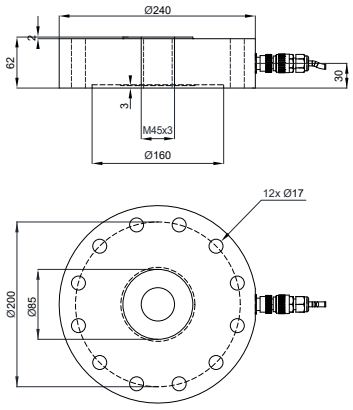
2000 - 5000 kg



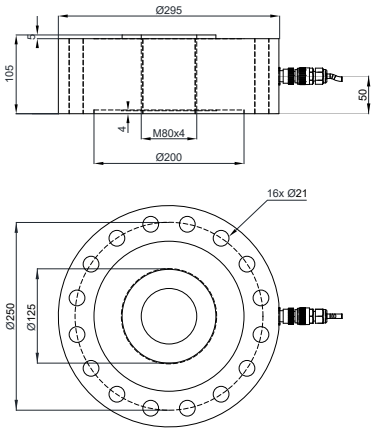
10000 - 30000 kg



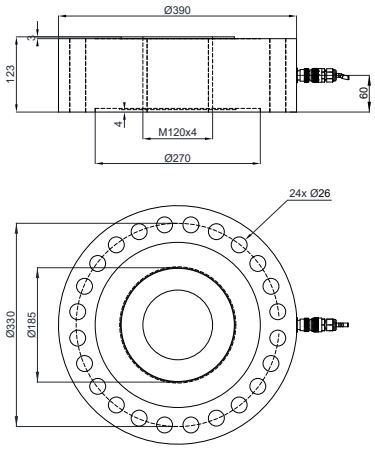
60000 kg



100000 kg



200000 kg



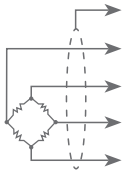
TECHNICAL FEATURES

Material	17-4 PH stainless steel
Nominal load (E max)	500 - 1000 - 2000 - 5000 - 10000 - 20000 - 30000 - 60000 - 100000 - 200000 kg
Combined error	≤ ±0.03%
Protection rating	IP68 (500 - 30000 kg), IP67 (60000-200000 kg)

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	0.05%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	5 ÷ 15 VDC	Deflection at nominal load	0.35 mm

ELECTRICAL CONNECTIONS

Cable length	5 m
Cable diameter	5 mm
Cores	6 x 0.14 mm²



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

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