

RL5416_OLD20220308

RICE LAKE CANISTER LOAD CELL, IN STAINLESS STEEL, "RL5416" SERIES



Canister load cells for CE-M approved weighbridges, tanks, silos, etc. Manufactured in STAINLESS STEEL, IP69K protection degree, 4000 divisions.

CAPACITIES: 20t, 30t, 40t, 50t.

OIML R60. C4 precision class.

Stainless steel body. **IP69K** Protection Degree.

20 m Cable.

h= 150mm.

The best solution
for advanced industrial
applications

• TECHNICAL FEATURES

METROLOGICAL FEATURES

- Rated capacity: (F.S.): 20 t, 30 t, 50 t
- Combined error: 0,022 %F.S.
- Creep error (after 30 min.): 0,014 %F.S.
- Temperature effect on zero: 0,01 %F.S./5°C
- Temperature effect on sensitivity: 0,01 %F.S./10°C

OIML R60

- $V_{min} = E_{max}/14000$
- Accuracy class: C4
- Max. number of intervals: 4000e OIML

ELECTRONIC\MECHANICAL FEATURES

- Gas dischargers to protect against atmospheric discharges
- Power Supply: 5 ÷ 15 Vdc
- Rated output at F.S.: $2 \pm 0.1\%$ mV/V
- Input resistance: $800 \pm 3\Omega$
- Output resistance: $700 \pm 3\Omega$
- Insulation resistance: 5000M Ω
- Operating temperature: -35 ~ +70 °C
- Compensated temperature for homologation: -10 ~ +40 °C
- Storage temperature limits: -40° ~ +80°
- Normal service: 120% F.S.
- Maximum load / Safe load: 150% F.S.
- Ultimate overload: 300% F.S.
- IP69K protection degree
- Stainless steel body
- 6-core cable, l= 20 m, 6,5mm diameter
- Nickel plated steel cable gland
- Self-centring spherical bases
- Equipped with anti-rotation system, to be combined with 173793 cups for proper operation

ATEX VERSION

- The CCATEX certificate makes the load cell suitable for use in hazardous areas with protection methods according to:
Ex II 3G Ex nA IIC T6 Gc
Ex II 3D Ex tc IIIC T115°C Dc IP69k.
The certificate includes the manual and the ATEX CE conformity declaration (available in EN, DE, FR, and IT).
IMPORTANT: the certificate refers to the single load cell. For systems with more load cells, it is necessary to order one certificate for each load cell.

• CONNECTION

Cable Color Code	
RED	INPUT +
BLACK	INPUT -
GREEN	OUTPUT +
WHITE	OUTPUT -
YELLOW	SENSE +
BLUE	SENSE -
METAL	Shield

• INSTALLATION KIT

- The 173793 kit allows a correct installation of the RL5416 load cells below the weighbridge plate.
- The kit consists of an upper cup and a lower cup with anti-rotation system. All components are made from stainless steel. Both cups are designed for optimal operation in conjunction with the cell's self-centring spherical bases, allowing their proper oscillation and return to position.

VERSIONS

Available versions

Codice	Max (kg)
<u>168084</u> 	20 000
<u>168087</u> 	30 000
<u>168089</u> 	40 000
<u>168090</u> 	50 000



DINI ARGEO
FRANCE sarl
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DINI ARGEO
GMBH
Germany

DINI ARGEO
UK Ltd
United Kingdom

DINI ARGEO WEIGHING
INSTRUMENTS Ltd
China

DINI ARGEO
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