

RL5416DC

RICE LAKE DIGITAL CANISTER LOAD CELLS, IN STAINLESS STEEL,
"RL5416DC" SERIES WITH CONNECTORS



Digital canister load cells for CE-M approved weighbridges, tanks, silos, etc. Manufactured in STAINLESS STEEL, IP68 protection degree, 4000 divisions.

Specifically developed for working without junction box.

CAPACITIES: 30 t, 40 t

OIML R60. C4 precision class.

Stainless steel body. **IP68** Protection Degree.

h= 150 mm.

The best solution
for advanced industrial
applications

• TECHNICAL FEATURES

METROLOGICAL FEATURES

- Rated capacity: (FS): 30 t, 40 t
- Combined error: 0,022 %F.S
- Creep error (after 30 min.): 0,14 %FS
- Temperature effect on zero: 0,02 %F.S./10°C
- Temperature effect on sensitivity: 0,01 %F.S./10°C
- Non-linearity error: 0,015%F.S.
- Non-repeatability error: 0,006%F.S.

OIML R60

- $V_{min} = E_{max}/18000$
- Accuracy class: C4
- Max. number of intervals: 4000e (EC Test Certificate, according to OIML R60 (2000))

ELECTRONIC\MECHANICAL FEATURES

- Gas dischargers to protect against atmospheric discharges
- Double connector for load cells interconnection and weight indicator connection, without junction box.
- Halfduplex RS485 communication technology
- Rice Lake communication protocol
- Power Supply: 8...15 V (AC or DC)
- Rated digital output: 40000 d
- Current consumption: 35 mA
- Internal resolution: 24 bit
- Converter rate: max. 40 conv./sec.
- RS485 communication speed: Max 100kHz.
- Operating temperature: -35 ~ +70 °C
- Compensated temperature: -10 ~ +40 °C
- Storage temperature limits: -40 ~ 80 °C
- Safe load limit: 150% F.S.
- Ultimate overload: 300% F.S.
- IP68 protection degree
- Stainless steel body
- 4-core RS485 cable as optional with stainless steel shield, diameter 7mm
- Self-centring spherical bases
- Equipped with anti-rotation system, to be combined with 173793 cups for proper operation

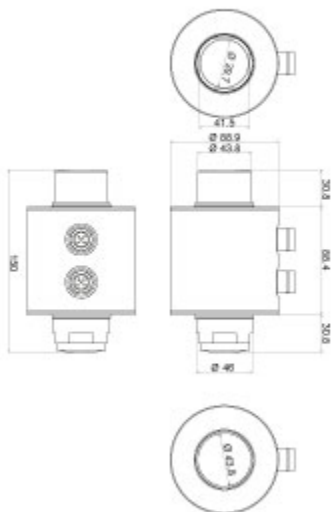
• CONNECTION

CABLE COLOR CODE	
RED	EXC +
BLACK	EXC -
GREEN	A +
WHITE	B -
METAL	SHIELD

• INSTALLATION KIT

- The 173793 kit allows a correct installation of the RL5416DC 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.

DETAIL 1



DETAIL 2



VERSIONS

Available versions

Codice	Max (kg)
RL5416DC-30T 	30 000
RL5416DC-40T 	40 000

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