

RL5416DC\_OLD20200708

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: 0,02 %F.S
- Creep error (after 30 min.): 0,02 %FS
- Temperature effect on zero: 0,003 %F.S./°C
- Temperature effect on sensitivity: 0,0008 %F.S./°C

### 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.
- RS485 communication technology
- Rice Lake communication protocol
- Power Supply: 8...15 Vdc
- Rated digital output: 60000 d
- Current consumption: 35 mA
- Internal resolution: 24 bit
- Converter rate: max. 40 conv./sec.
- RS485 communication speed: Max 100kHz.
- Operating temperature: -20 ~ +70 °C
- Compensated temperature: -10 ~ +40 °C
- Safe load limit: 120% F.S.
- Ultimate overload: 150% F.S.
- IP68 protection degree
- Stainless steel body
- 4-core RS485 cable as optional
- Nickel plated steel cable gland
- Self-centring spherical bases
- Equipped with anti-rotation system, to be combined with 173793 cups for proper operation

## • CONNECTION



CABLE COLOR CODE	
RED	EXCITATION +
BLACK	EXCITATION -
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.

## VERSIONS

### Available versions

Codice	Max (kg)
<u>195843</u> 	30 000
<u>195844</u> 	40 000



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