

RCPTD Series Dini Argeo Digital Column Load Cell



Standard Features

- C4 precision class
- Special alloy steel body with stainless steel external casing; laser soldering
- Ip68 protection rating
- Capacity 30000kg
- Shielded 18m connection cable
- Test certificate available upon request
- Fitted with self-aligned articulated joints, self-centering plates and protection washer

Capacities (kg): 30000.

OIML R60, C4 precision class.

Special allow steel body with **stainless** steel external casing; manufactured with laser soldering. **IP68** protection.

Digital column load cells ideal for approved CE-M weighbridges or silos and tanks.

Specifications

Resolution for nominal load:
60.000d

Combined error on nominal load:
± 0,01%.

Compensated temperature range:
-10 °C / +40° C

Operating temperature range:
-30 °C / +70° C

Power supply tension:
From 10 to 18 VDC

Conversion:
24 bit

Connection:
RS485

Admissible load:
150% F.S.

Shielded cable:
4 poles, 5mm diameter.

Main Certifications

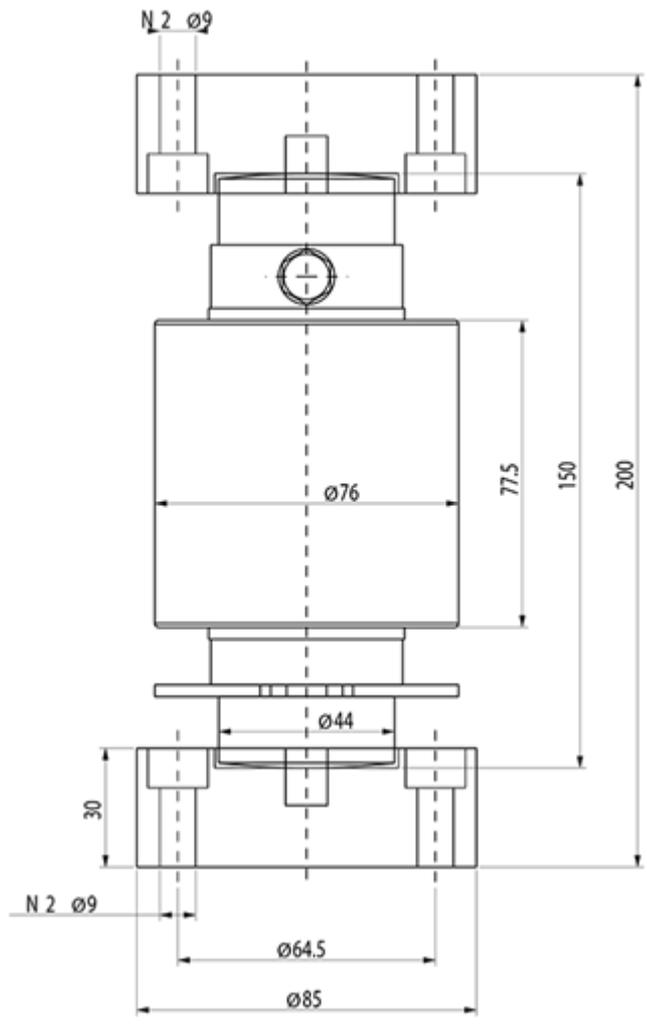
OIML R60

Australian legal for trade certificate of approval (NMI S837)

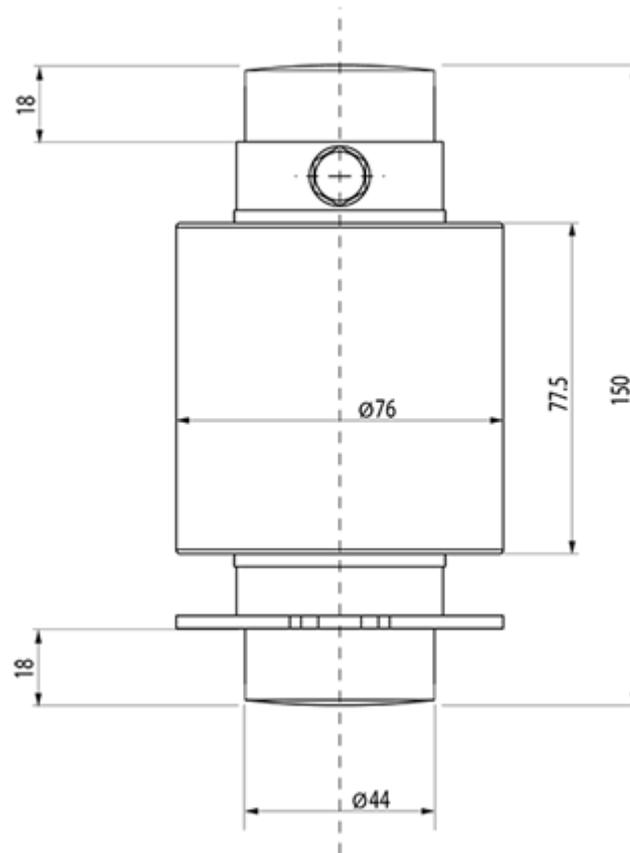
Wiring Code

<u>Wiring Code</u>	
<u>Colour</u>	<u>Function</u>
RED	INPUT +
BLACK	INPUT -
GREEN	OUTPUT +
WHITE	OUTPUT -
BLACK (THICK)	SHIELD

RCPTD Dimensions (mm)



RCPTNK Dimensions (mm)



Available versions

Code	Max (kg)
<u>RCPTD30C4-2</u>	30000

Parts

Part #	Description
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Available Versions

RCPTD30C4-2	Column approved digital load cell, C4, Max=30000kg. Stainless steel with nickel-plated steel body, IP68 protection rating. Consisting of self-aligned articulated joints, self-centering plates and protection washers. Cable length: 20 m.
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Options

Part #	Description
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Digital Kit for Weighbridges

WKPT830D-2	Kit for DIGITAL weighbridges with 8 load cells. Composed of 3590ETD indicator fitted with AF03 software, 2 inputs, 4 outputs and RS485 port, 8 RCPTD30C4-2 digital load cells with mounting kit, and JB10QD equalisation box with 10 inputs.
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WBKPTD830C4-2	Electronics kit for weighbridges made up of 8 RCPTD30C4-2 digital load cells in stainless steel with IP68 protection rating and 30 t capacity, 8 oscillating resting joints, and JB10QD IP66 reinforced polyester junction box.
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Junction Box / Boards - Load Cell Cables

JB10QD-1	RS485 equalisation box for connection with up to 10 digital load cells. Reinforced polyester box, with 10 + 1 cable glands and surge arresters.
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GELBOX	Anti condensation, insulating, and sealing gel. Useful to protect the electronic circuits of the weighing system, even under prolonged immersions conditions. Pack of 300ml.
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RSCBTW	4-core twisted shielded cable (2x2x0.34 mm ²), for RS485 communication or analogue output. Polyolefin inner sheath. Tinned copper braid shielding. Outer sheath PVC, diameter 7mm. Temperature range: -30 / +80 °C. Minimum bending radius $\geq 6 \times$ O.D. €/m. Maximum orderable length: 100 m (longer lengths available only upon request).
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Weighbridge indicators

3590ET8D-1	Touch Screen indicator with AF03 firmware , suitable for the connection of digital load cells connection. ABS case. 8" colour display. Internal power supply for digital load cells. RS485 serial port with lightning and surge protection circuit.
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RS485C	Built-in RS485 interface (mounting and cable gland excluded).
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RS485OPTO	Built-in optoisolated RS485 interface (mounting and cable gland excluded).
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C2IN	Set of 2 optoisolated inputs (mounting and cable gland excluded).
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C4OUT	Set of 4 optoisolated outputs (mounting and cable gland excluded).
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