

# "RL5426" PLUS SERIES

Rice Lake Canister Load Cell, In Stainless Steel



## Connection

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

## Technical Features

### METROLOGICAL FEATURES

- Rated capacity: (FS): 20t, 30t, 40t, 50t
- Combined error: 0,015 %F.S
- Creep error (after 30 min.): 0,01 %F.S
- Temperature effect on zero: 0,02 %F.S./10°C
- Temperature effect on sensitivity: 0,008 %F.S./10°C
- Non-linearity error: 0,01%F.S.
- Non-repeatability error: 0,006%F.S.





### OIML R60

- $V_{min} = E_{max}/18000$
- Accuracy class: C6
- Max. number of intervals: 6000e OIML

## Installation Kit

- The 173798 kit allows a correct installation of the RL5426 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.

## Available versions

Code	Max (kg)
RL5426-20T 	20 000
RL5426-30T 	30 000
RL5426-40T 	40 000
RL5426-50T 	50 000

Canister load cells for CE-M approved weighbridges, tanks, silos, etc. Manufactured in STAINLESS STEEL, IP69K protection degree, 6000 divisions.

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

OIML R60. C6 precision class.

Stainless steel body. IP69K Protection Degree.

20 m armoured rat-proof cable with stainless

steel armouring as standard.

h= 118,5 mm.

## Electronic \ Mechanical Features

- Gas dischargers to protect against atmospheric discharges
- Power Supply: 5÷15 V (AC or DC)
- Rated output at F.S.:  $2 \pm 0.0001\% \text{ mV/V}$
- Input resistance:  $800 \pm 3\Omega$
- Output resistance:  $700 \pm 0.01\Omega$
- Insulation resistance: 5000MΩ
- 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 with stainless steel shield, length 20 m, diameter 6mm
- Nickel plated steel cable gland with protective spring
- Self-centring spherical bases
- Equipped with anti-rotation system, to be combined with 173798
- cups for proper operation

