

WTD Digital Load Cell



Compression type digital load cell that provides a free solution to long-distance weighing needs.



ABOUT PRODUCT

WTD is a digital load cell produced in a compression type that operates on the same principle as the WTL and WTD load cells.

The digital load cells differ from the normal load cells in that they contain an ADC (Analog to Digital Converter) system used in indicators, which provides a smooth solution for long-distance weighing needs. In weighing platforms where more than one load cell is used, a faulty load cell can be easily detected with the warning given on the digital display.

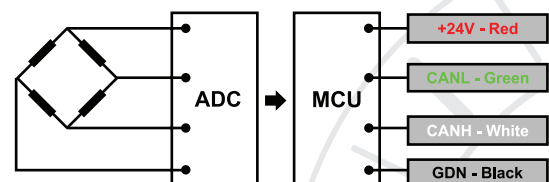
It provides a balanced weighing possibility on all corners of the platform without the need for adjustments made in an external collection box.

It can be used in vehicle scales, wagon scales, tank and silo weighing. The WTD load cell provides flawless operation under challenging conditions with IP 68 protection class, which completely protects the electronic circuit with high-quality welding technologies.

The WTD compression type digital load cell provides seamless communication with the digital display via RS-485 or Can-Bus with the ADC and Microcontroller circuit board, which is integrated in a complicated way inside the body.

The armored cable offered as an option in the WTL model load cell provides protection against rodents. Thanks to the connectors used as standard, it can be connected in a chain shape without the need for a collection box.

CONNECTION DIAGRAM



WORK STYLE



FEATURES

- ✓ Digital load cell
- ✓ IP 68 protection class
- ✓ Plated nickel, alloyed steel
- ✓ Ease of installation

APPLICATION AREAS

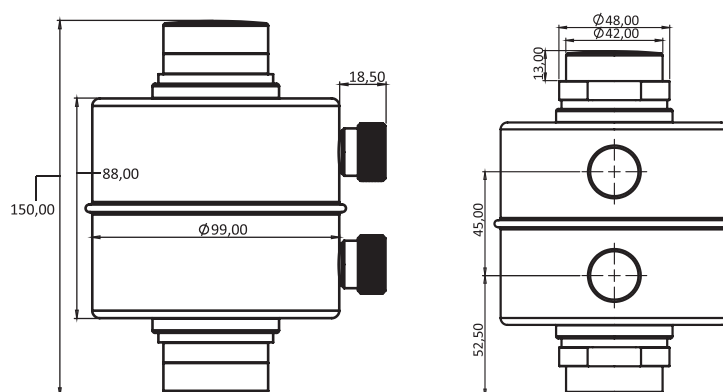


Agriculture and Livestock



Logistics and Transport

TECHNICAL DRAWING



TECHNICAL SPECIFICATIONS

| | |
|-----------------------------------|---------------------------------|
| Capacity | 20, 30, 40, 50, 60, 100 Tones |
| Accuracy Class | C5 |
| Minimum Load | 20 kg |
| Maximum Intervals (nLC) | 5000 |
| Minimum Verification Interval | 10000 |
| Total Error | ±0.01 %FS |
| Communication Format | RS485 Digital |
| Communication Speed | 9600 / 19200 Bps |
| Linearity | ±0.02% FS |
| Repeatability | ±0.01% FS |
| Isolation Resistance | ≤ 5000 MΩ (100VDC) |
| Compensated Temperature | -10 ~ + 40 °C |
| Operating Temperature | -30 ~ + 70 °C |
| Excitation, Recommended Voltage | 12 VDC |
| Maximum Excitation Voltage (Umax) | 18 VDC |
| Safe Overload | 150 % FS |
| Ultimate Overload | 300 % FS |
| Ingress Protection (EN60529) | IP 68 |
| Element Material | Alloyed Steel / Stainless Steel |
| Cable | 4x022mm ² |