WTL Compression Type Load Cell

Compression load cell manufactured using high quality stainless steel or special alloyed steel.





ABOUT PRODUCT

WTL Load Cell is a strain gauge type load cell produced using high-quality stainless steel or special alloy steel.

After being tempered by heat treatment, the alloy steel is cleaned by sandblasting and then homogenized completely, and finally, it is coated with nickel to be more resistant to corrosion.

With its high accuracy and precision, WTL load cell has been awarded the OIML certificate by NMI, a metrological testing and certification organization that measures to European and World Standards.

It offers long-term use with durability against lateral loads in weighing applications such as vehicles, wagons, and industrial weighing.

Through tests conducted in the range of -10° C to 40° C, it has achieved high accuracy and precision with nMax = 4000 (maximum division number), Y = Emax/Vmin 15000 (example: 666 grams with a capacity of 10 tons).

WTL Load Cell provides flawless performance under harsh conditions in IP 68 class by completely protecting the electronic circuit with high-quality welding technologies.

It is aimed for healthy and long-lasting use in vehicle scales with its unique WTL mounting kit.In addition, it can be produced with armored or Ex-Proof silicone cables, except for 4x022mm cable, and armored cables are more resistant to external factors while providing full protection against rodents.

CONNECTION DIAGRAM



- ✓ High accuracy and precision
- ✓ OIML R60 C4 class approved accuracy
- ✓ Nickel plated, steel alloyed against corrosion and rust
- ✓ IP 68 class protection against dust and water

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APPLICATION AREAS





Agriculture and Livestock

Chemistry and Petrochemistry



Concrete Batching Plants And Construction

Iron Steel Metal



Food



Logistics and

Transport



Stone, Sand And Mines

TECHNICAL DRAWING



TECHNICIAL SPECIFICATIONS	
Capacity	10, 20, 25, 30, 40, 50 Tones
Accury Class	C4
Minimum Load	0 kg
Maximum Intervals (nLC)	4000
Minimum Verification Interval	15000
Total Error	±0.018 %FS
Output Sensitivity (FS)	$2.00 \pm 0.005 \text{mV/V}$
Zero Balance	± 1 %FS
Input Resistance	$700 \ \Omega \pm 15 \ \Omega$
Output Resistance	$700 \Omega \pm 5 \Omega$
Isolation Resistance	≤ 5000 MΩ (100VDC)
Compansated Temperature	-10 ~ + 40 °C
Operating Temperature	-30 ~ + 70 °C
Excitation, Recommended Voltage	10 VDC
Maximum Excitation Voltage (Umax)	15 VDC
Safe Overload	150 % FS
Ultimate Overload	300 % FS
Ingress Protection (EN60529)	IP 68
Element Material	Alloyed Steel / Stainless Steel
Cable	4x022mm ²

