

LS-3800-SP-HT

Wireless Load Cell

For High Temperature Applications

- ✓ *Load range up to 1200 metric tons*
- ✓ *Dust and water sealing: IP66*
- ✓ *Stainless Steel*
- ✓ *Wireless range up to 200m*
- ✓ *Detachable radiation heat shield*
- ✓ *Can integrate with multiple sensors in network*
- ✓ *Range extender available*
- ✓ *CAN, Modbus, RS485/RS232 receivers available*



The LS-3800-SP-HT uses well proven shear pin load cell technology combined with a 2.4 GHz output transmitter. It delivers high accuracy and is designed for long lifetime performance in harsh environments, where both high ambient temperature and a severe radiation heat sources are present.

These key features make load measurements possible - in applications previously unavailable.

Spare parts, such as radiation heat shields and antennas are available to reduce consequences of small damages that may happen - due to the nature of the industry.

The core sensor is based on experience gained through more than 1000 different designs kept in our database. Our in-depth competence and flexibility in custom design, paired with our record of in-field references, have made our sensors the trusted choice in the oil and gas industry, as well as in other areas where reliability and high performance are required.

Typical applications are:

- ✓ Foundries
- ✓ Smelting plants
- ✓ Cranes
- ✓ Transfer trolleys
- ✓ Winches
- ✓ Thermal power plants

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Technical information

Full scale load	0 - 5T... 1200T
Maximum load at 20°C (Test Load)	0T ... 25T Full scale range x 2 25T ... 180T Full scale range x 2 to x 1.33 180T ... 1200T Full scale range x 1.33
Temperature Range	-20°C to 80°C
Linearity	± 0.5% of full scale
Total accuracy at ambient temperature:	± 1% of full scale
TCS (Thermal Compensated Sensitivity)	Typical 0.03% full scale x (temp. - amb)
Output	2.4 GHz wireless signal
Power supply	1 x 3,6V AA Battery
Electrical connection	NA
Sampling Interval	5ms – 10000ms
Power supply regulation	NA
Voltage Spike Protection	NA
Polarity protection	Yes
Insulation test	NA
Sealing	IP66
Material	Stainless steel: 1.4418
Intrinsic Safe Code	None



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