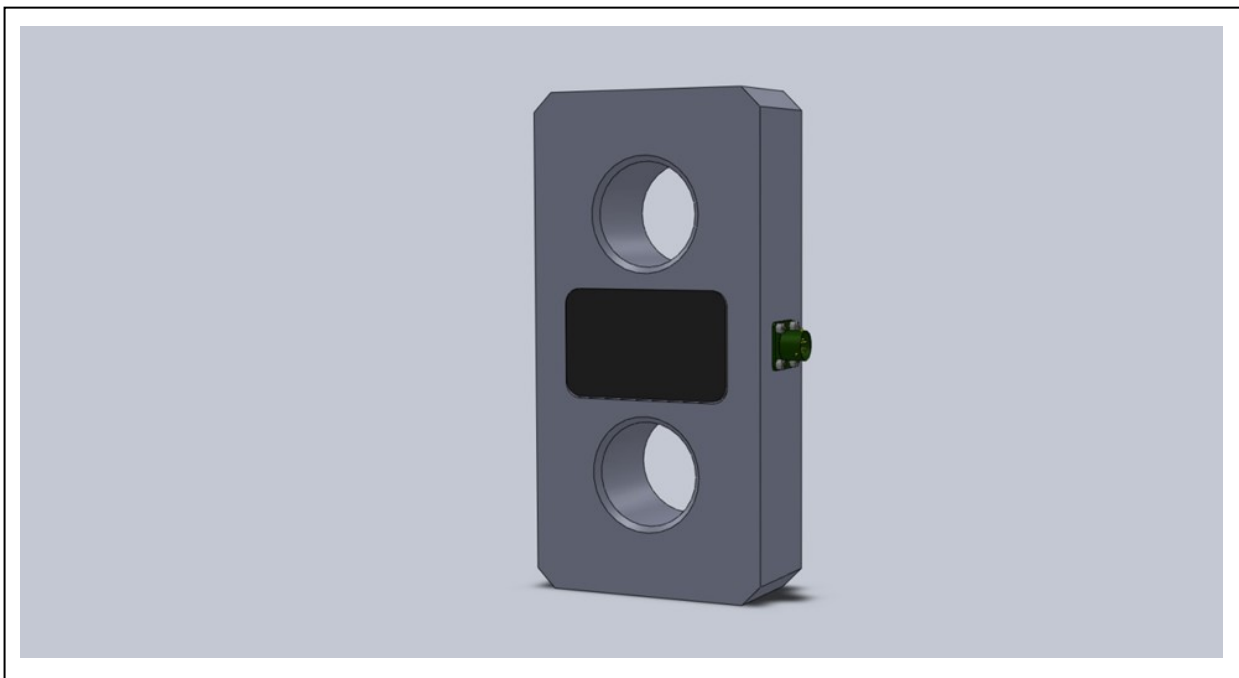


Tensile Load Cell

- Range 1 to 500te
- High strength aluminium alloy.
- Easily employed
- Sealed to IP66



Description

The 2400 load link is built for tensile applications. The load link is constructed from high strength aluminium alloy and anodized. A complete range covers load capacities from 1 tonne up to 500tonne. The load link is built to the highest commercial standards that include temperature compensation over a wide temperature range. The strain gauges have been matched to give the best creep and hysteresis characteristics.

Specification

ELECTRICAL

- Recommended excitation 10 Vdc.
- Maximum excitation 15 Vdc.
- Output at rated load 1.5mV/V
- Zero balance 5% of RL
- Input impedance 700ohms +/-20
- Output impedance 700ohm +/-3
- Insulation $>10^9$ ohms
- Compensation temp range 10 to 60 C

- Safe temp range -30 to 70 C

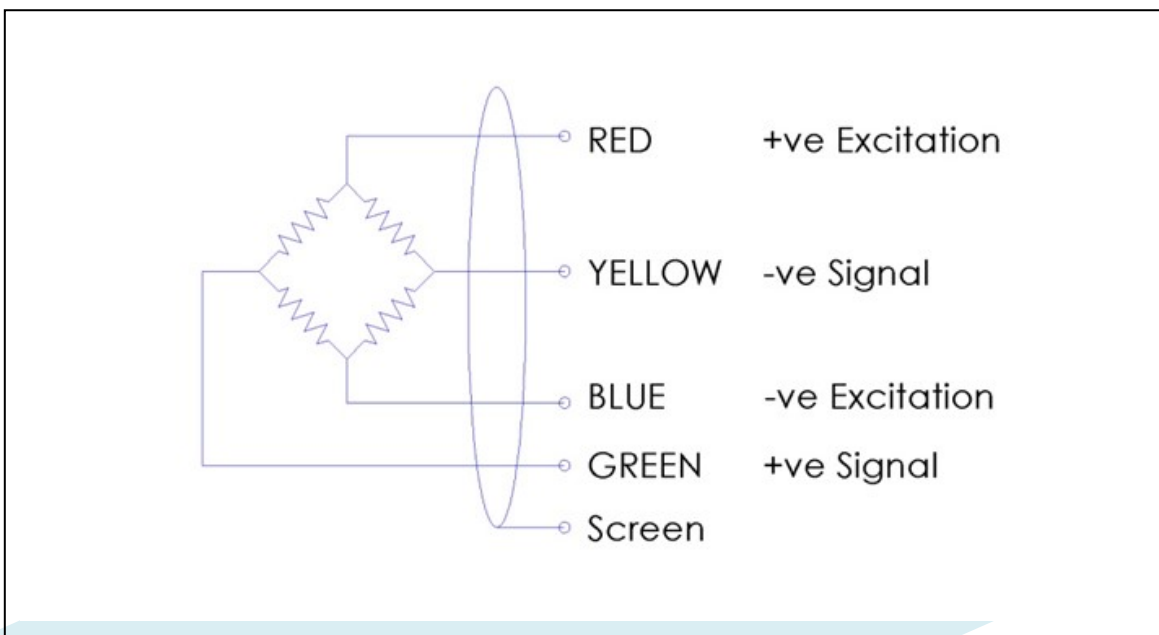
MECHANICAL

- Safe overload 150% of RL
- Ultimate overload 300% of RL
- Deflection <0.5 mm
- Cable type 4 core screened
- Cable length 10 M
- Sealed IP66

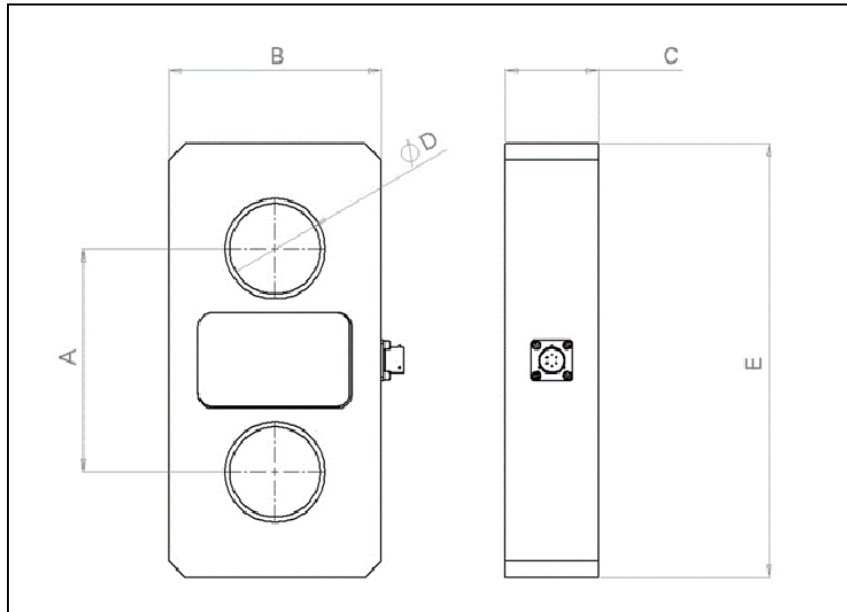
Accuracy

- Non linearity & hysteresis 0.15%
- Non repeatability $<0.05\%$
- Zero return (after 30 mins). 0.05%
- Temp effect/10deg C on zero 0.01%
- Temp effect/10deg C on span 0.01%

Wiring



Drawing



Dimensions

RATING	A	B	C	D	E	Weight
te	mm	mm	mm	mm	mm	kg
1 & 2	108	105	40	30	164	1.4
5	108	105	40	30	164	1.4
12	120	105	40	38	210	1.9
25	131	125	55	53	255	4
35	147	135	55	60	305	5
50	170	150	75	73	345	9
100	228	220	123	100	455	27
250	330	304	189	145	680	87
500	451	500	200	200	1015	225



Telemetry Readout

- Wirelessly transmits a wide range of sensor outputs
 - Easily portable and ideal for temporary installations or where cables are not suitable
 - Wireless range of up to 200 m, 650 ft (400 m 1,300 ft using the T24 wireless range extender T24-AR)
 - Excellent battery life of up to 5 years
 - High accuracy measurement data from a wide range of sensors, including: strain gauge, load cell, voltage, current, resistance, temperature and pulse
 - Up to 200 updates per second (2,000 updates per second using the T24-SAf)
 - Reduced installation costs
 - Simple set up, installation and adding of additional devices
- License free frequency 2.4 GHz with global approvals



- Two key operation offering tare functionality
- Auto 'power on' and 'power off' of remote transmitter module
- Data transmission to wireless printer capability
- Battery powered 40 hours use
- Simple wireless configuration and calibration
- Wireless range of up to 200 m (650 ft)
- Waterproof to IP65 NEMA 4
- Photo showing the available T24-HS accessory black leather carry case with clear viewing window shoulder strap

Additional Notes

Specification may change without notice

Applicable for both cabled & telemetry type, cabled type is provided with 10M cable.

Contact us:
DuSense LLC
Tel.: +971.4.8135972
Email: info@dusense.ae

