

3410

Shear Beam Load Cell

SENSOR
TECHNIQUES LIMITED



Shear Beam Load Cell, Model 3410

- OIML R60 Approved 3000D
- Capacities from 250Kg to 2000Kg 2 mV/V \pm 0.1%
- 'T' end version current matched (UR) as standard
- Ideal for harsh environments & industrial applications
- Plated alloy steel construction sealed to IP67
- Also available in capacities 1000 - 4000 lbs @ 3 mV/V
- Optional live end hole configurations
- 6-wire sense technique with double shielded cable
- Optional Hazardous area approval (ATEX) available

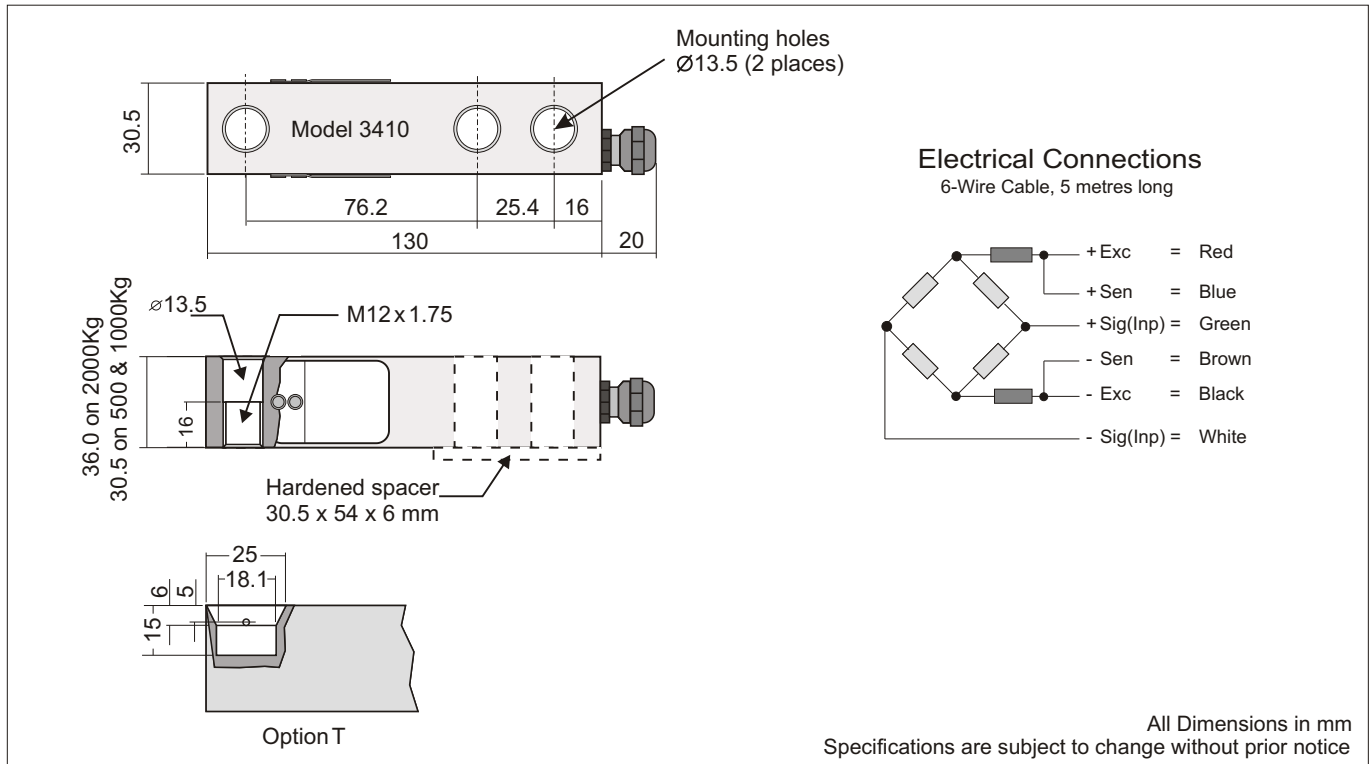
Technical Data

Model 3410

GRADE		E	C3*
Number of Load Cell Intervals	n (max)		3000
Minimum Utilisation	% Rated Cap.		30
Y = Emax/Vmin			10000
Total Error	% Appl. Load	0.050	0.020
Zero Return after 30 mins	% Appl. Load	0.030	0.017
Temperature Effect on : Span	%Appl. Ld./10K	0.030	0.010
Zero	%ORL/10K	0.100	0.023
Output at Rated Load (ORL)	mV/V	2.00 (UR matched 2.02)	
Output at Rated Load Tolerance	%	± 0.1	
Zero Balance	% ORL	2	
Input Impedance	Ohm	385 ± 10	
Output Impedance	Ohm	351 ± 5	
Recommended Supply Voltage	V	10	
Compensated Temp. Range	°C	-10 to +40	
Operating Temperature Range	°C	-20 to +70	
Deflection	mm	< 0.4	
Safe Central Overload	% Rated Cap.	150	
Ultimate Central Overload	% Rated Cap.	300	
Cable Length	m	5	
Construction		Electroless Nickel Plated Steel	
Environmental Protection		IP67	
Rated Capacities (Emax)	Kg	250, 500, 1000, 2000	

NMI - Certificate TC2353, OIML-R60. *Standard utilization 50%.

Dimensions



DS3410-4, 12/09