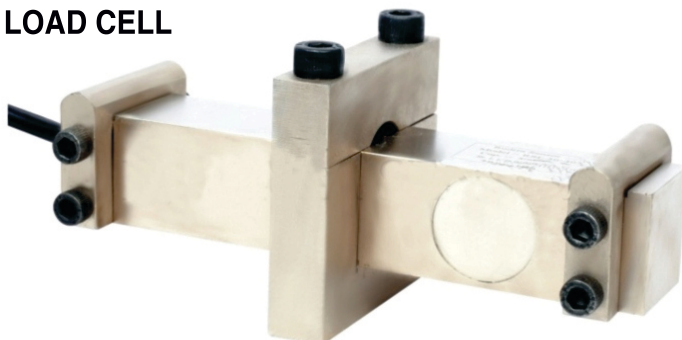




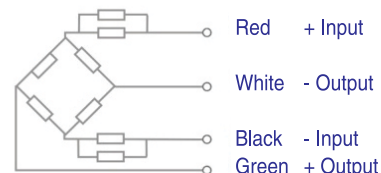
Automation

Model : ABL 307

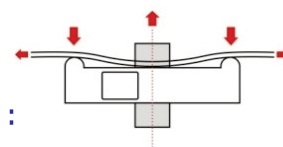
ROPE TENSION LOAD CELL



Wiring Schematic Diagram :



Load Diagram :



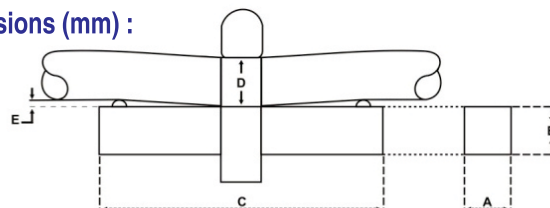
FEATURES :

- * 0.5 Tf to 7.5 Tf capacities load cells are offered for rope tension ranging from 1 Tf of 50 Tf
- * Complete environmental protection IP-65 class.
- * Standard output 1.0mV/V available
- * Can be provided to accommodate multirope applications - up to 4 ropes

APPLICATIONS :

- * Elevator load monitor.
- * Specially designed for protecting cranes and hoists from overload.
- * Tension measurement in stay ropes, suspension ropes and railway catenary ropes.
- * Vehicle pull test.
- * Ship Bollard pull test.

Dimensions (mm) :



ROPE TENSION	CAPACITY	d	A	B	C	E
1, 2, 5	0.5 T	8-16	32	32	172	7.5
5, 10	1 T	24-36	32	32	172	7.5
15	2 T	up to 40	32	32	172	7.5
25	3 T	up to 60	38	38	228	7.5
40	5 T	up to 72	38	38	228	7.5
50	7.5 T	up to 80	50	50	300	7.5

Parameters :

Standard Capacities (Tf.)	: 0.5, 1, 2, 3, 5, 7.5	Insulation Resistance (50V)	: > 1000 Mega Ohms
Excitation Voltage	: 5 VDC - Maximum 15 VDC	Cable Length (4 core)	: Upto 2T-5 M, Above 2T-10M
Nominal Ouput	: 1 mV/V	Sate Overload	: 150 % of Rated Capacity
Non - Linearity	: < ± 5.0 % FSO for range upto 20%	Ultimate Overload	: 300 % of Rated Capacity
Zero Balance	< ± 2.0 % FSO for range above 20%	0 Temp. Compensated Range	: 0-60 °C
Hysteresis	: < ± 0.1 % FSO (Full Scale Output)	0 Temp. Effect on Output	: < 0.005 % FSO/ °C
Non-Repeatability	: < ± 0.1 % FSO	0 Temp. Effect on Zero	: < 0.005 % FSO/ °C
Creep (30 minutes)	: < ± 0.03 % FSO	Deflection	: < 0.5 mm at FSO
Input Resistance	: 390 Ohms	Material of Construction	: Tool Steel
Output Resistance	: 350 Ohms	Environmental Protection Class	: IP67



IP67

