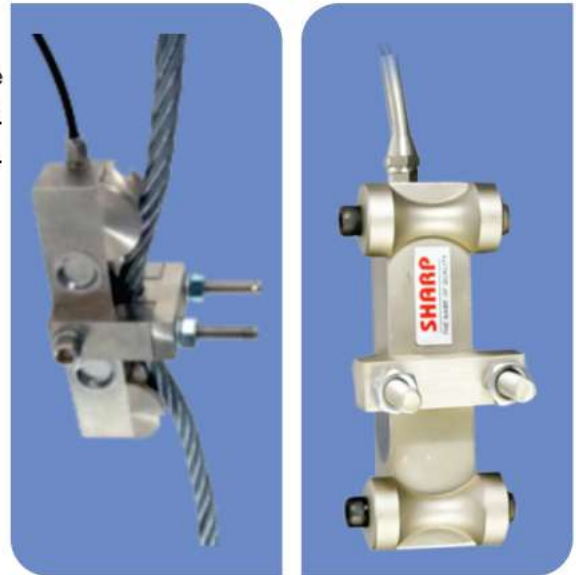
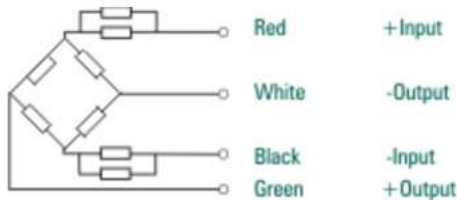


## Rope Tension Type Loadcell

This loadcell is used in industrial applications where the tension on wire rope needs to be carefully and continuously monitored and prevent overload. The load cell is conveniently clamped-on to the rope in existing condition. Designed to handle rope dia from 8mm to 80mm.



### Wiring Schematic Diagram



### Features:

1. 0.5 Tf to 7.5 Tf capacities load cells are offered for rope tension ranging from 1Tf to 50 Tf
2. Complete environmental protection IP-65 class.
3. Standard output 1.0mV/V available
4. Accommodate multirope applications - up to 28 ropes

### Applications:

1. Elevator load monitor.
2. Specially designed for protecting cranes and hoists from overload.
3. Tension measurement in stay ropes, suspension ropes and railway catenary ropes.
4. Vehicle pull test.
5. Ship Bollard pull test.

### Specifications :

Standard Capacities (Tf.) : 0.5,1,2,3,5,7.5	
Precision <b>C3</b>	Insulation Resistance(M Ω) > 1000
Composition Error ± 0.02	Excitation Voltage (V) 10~15 (DC)
Rated Output (mv/v) 1	Compensated temp. Range (°C) 0~+60
Non-Linearity (%FSO) < ± 5% TO 20%	Use Temp. Range (°C) -35~+65
Hysteresis (%FSO) < ± 0.1%	Temp. Effect on Zero (%FS/10°C) 0.005
Repeatability (%FSO) < ± 0.1%	Temp. Effect on Span (%FS/10°C) 0.005
Creep (%FSO/30min) 0.3%	Safe Overload (%FSO) 120
Zero Balance (%FS) ± 1	Ultimate Overload (%FS) 150
Input Resistance (Ω) 390	Defend Grade IP65
Output Resistance (Ω) 350	Cable 4mm, 5 mtr.

Specifications are subject to change for improvements without prior notice.

