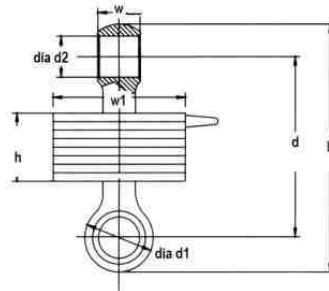
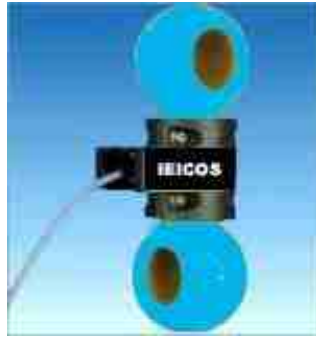




LOAD CELL DYNAMOMETER

LCD

IEICOS Load Cell Dynamometer for measurement of tensile loads usually in cranes, lifting mechanisms etc. It is manufactured from high grade stainless steel and is available from 1 T to 250T capacity. Loads have to applied symmetrically at the top and a two hardened steel eye bolts with round holes are provided to ensure minimal error due to eccentric load effects.



Wiring Scheme

Red + (Input +) Yellow - (Output -) Black - (Input -) Green + (Output +)

Performance Specification

Standard Capacities	1, 5, 10, 30, 50, 125, 250 T
Excitation Voltage	10 VDC - Maximum 15 VDC
Nominal Output	0.25 - 1 mV/ V
Non - Linearity	< ±0.5% FSO
Hysteresis	< ±0.5% FSO
Non-Repeatability	< ±0.5% FSO
Creep (30 minutes)	< ±0.5% FSO
Zero Balance	±1.0% FSO
Input Resistance	350 ± 5 Ohms
Output Resistance	350 ± 5 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Cable Length (4 Core Screened)	500 mm. Minimum
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	200%
Temp. Compensated Range	0-60 °C
Temperature Effect on Output	< 0.0015% FSO/ °C
Temperature Effect on Zero	< 0.0020% FSO/ °C

Model	Capacity		Load cell wt. (nom)	L (max.)	d (max.)	w (max.)	d1 (max.)	d2 (min.)
	tons	kgs						
LCD-01	1	0.4		125	92	16	31	17
LCD-05	5	0.6		150	105	26	45	23
LCD-10	10	1.5		200	135	41	63	36
LCD-30	30	3.5		240	150	58	87	44
LCD-50	50	7.7		320	195	71	115	60
LCD-100	125	27		460	290	121	165	81
LCD-250	250	103		850	510	178	254	133

INDUSTRIAL ENGINEERING INSTRUMENTS

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