

## GR5A—Tension Link Load Cell + Display



### FEATURES

- Capacities 0.5—9.5Te
- Sealed to IP20.
- Tension use.
- Accuracy 0.05% FS.

### APPLICATIONS

- Lifting devices.
- Bridge cranes.
- Process Control.

### DESCRIPTION

The T-TLD-GR5A provides a simple device for tension measurement for cranes and other lifting applications. The design incorporates an autonomous instrument and a strain gauged load cell with two spherical joints incorporated in the design for load self alignment.

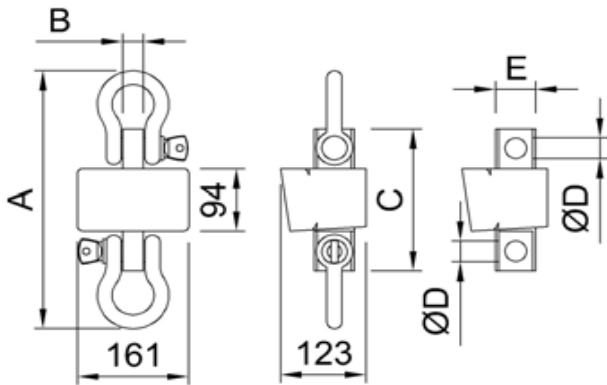
The indicator is equipped with a 25mm high 5 digit LCD display. With 4 easy to find internal batteries, the GR5A reaches 1 year autonomy. The indicator will auto power off after 30 minutes if no changes in measurement are detected.

### TYPICAL SPECIFICATION

PARAMETER	VALUE	UNITS
Capacities Range	0.. 0.5, 1, 3, 6.5, 9.5.	Te
Rated Output	N/A	mV/V
Linearity & non repeatability	0.05	±% of Full Scale
Zero Return after 30 minutes	0.05	±% of Applied Load
Zero Balance	Remote zero	±% of Rated Output
Temperature Range: Operating	-10 to +50	°C
Temperature Range: Compensated	-10 to +50	
Temperature Effect: On Output	N/A	±% of Rated Output/°C
Temperature Effect: On zero	N/A	±% of Rated Load/°C
Safe Overload	125	% of Rated Capacity
Ultimate Overload	150	% of Rated Capacity
Excitation: Recommended	4 off 1.5V AA Batteries	Volts DC
Excitation: Maximum	N/A	
Input Impedance	N/A	ohm
Output Impedance	N/A	ohm
Insulation Resistance	>2	GΩ at 50VDC
Deflection at Rated Capacity	N/A	mm
Weight (approximate) :	N/A	kg
Construction	Stainless Steel Load Cell Aluminium Indicator Case	
Environmental Protection	IP20	
Cable	N/A	

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## OUTLINE DIMENSIONS in millimeters



	A	B	C	D	E
500kg - 1Te	270	16	178	16	57
3 - 6.5Te	400	30	213	25	57
9.5Te	477	40	239	32	70

NOMINAL LOAD	500kg	1Te	3Te	6.5Te	9.5Te
RESOLUTION	0.1kg	0.2kg	0.5kg	1kg	2kg

## ACCESSORIES

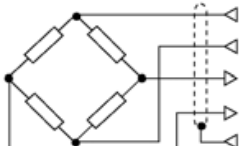


Zinc-plated Shackles

Travelling Case

(Zero/Hold) Remote Control  
maximum 4m distance.

## WIRING DETAIL

Dynamometer	OUTPUT	CABLE
	EXCITATION+	N/A
	EXCITATION -	N/A
	OUTPUT-	N/A
	OUTPUT+	N/A
	-----	N/A

## LOADING MODE

