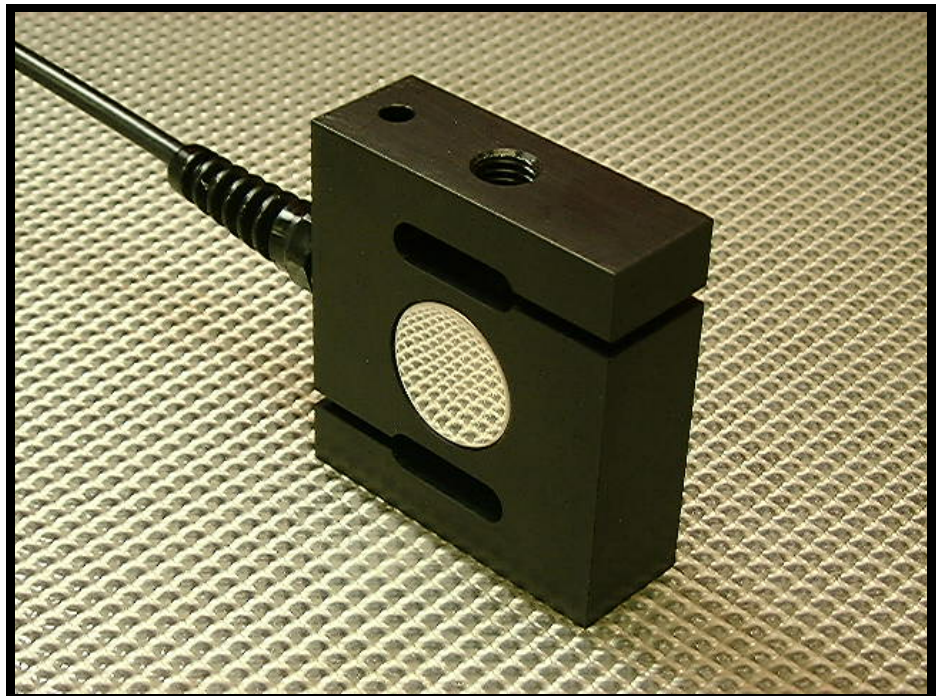


TNC 5500



## S – Beam Load Cell Series TNC 5500

CAPACITIES 0.5kN to 50kN



- ▶ Aluminium 'S' Beam
- ▶ Tension /Compression
- ▶ Rationalised Output
- ▶ High Accuracy
- ▶ Sealed to IP66
- ▶ Two year guarantee

 **TNC** ELECTRONICS Ltd  
STRAIN MEASUREMENT TECHNOLOGY

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# TNC 5500

## Technical Data

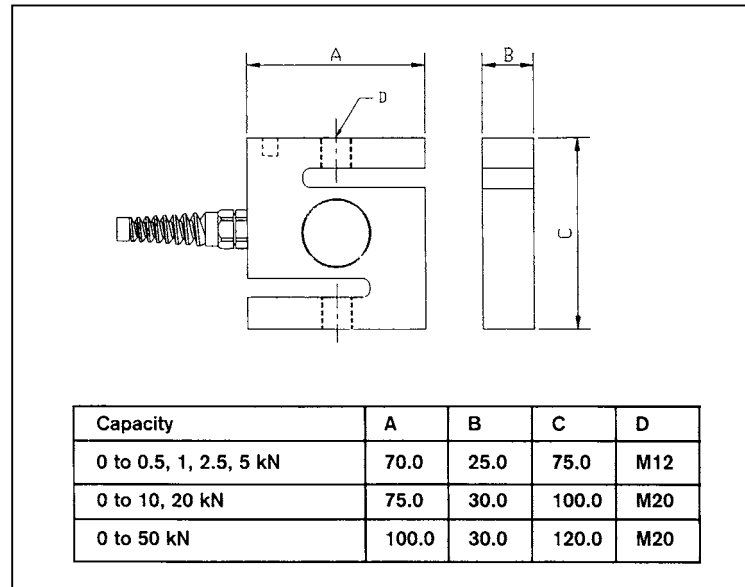
Standard load ranges	kN	0.5, 1, 2.5, 5, 10, 20, 50
Full Load output	mV/V	2.0 +/- 0.25%
Excitation voltage (recommended) dc or ac	V	10
Excitation voltage (maximum) dc or ac	V	15
Safe service load	%	150
Ultimate load	%	300
Combined error (non-linearity & hysteresis)	%	<+/- 0.08
Repeatability	%	<+/- 0.015
Output at zero load	%	<+/- 0.03%
Input resistance	ohms	380 +/- 30
Output resistance	ohms	350 +/- 2
Creep after 30 minutes (20 deg C)	%	<+/- 0.05%
Operational temperature range	deg C	-20 to +70
Compensated temperature range	deg C	20 to +75
Temperature coefficient of zero	%/C	<+/- 0.003
Temperature coefficient of span	%/C	<+/- 0.003
Environmental protection		IP66
Cable length standard	m	3
Insulation	G ohms	>2 at 100V.dc

NOTE: All percentages related to Full Rated Load

## Electrical Connections

### 6 core cable Wired in compression mode

**Red + input      Green + output**  
**Blue - input      Yellow - output**  
**Black/white – preset cal ref**  
**Screen not connected to load cell**



ALL DIMENSIONS IN MM

TNC's policy is one of continuous development and these specifications are subject to change without notice



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