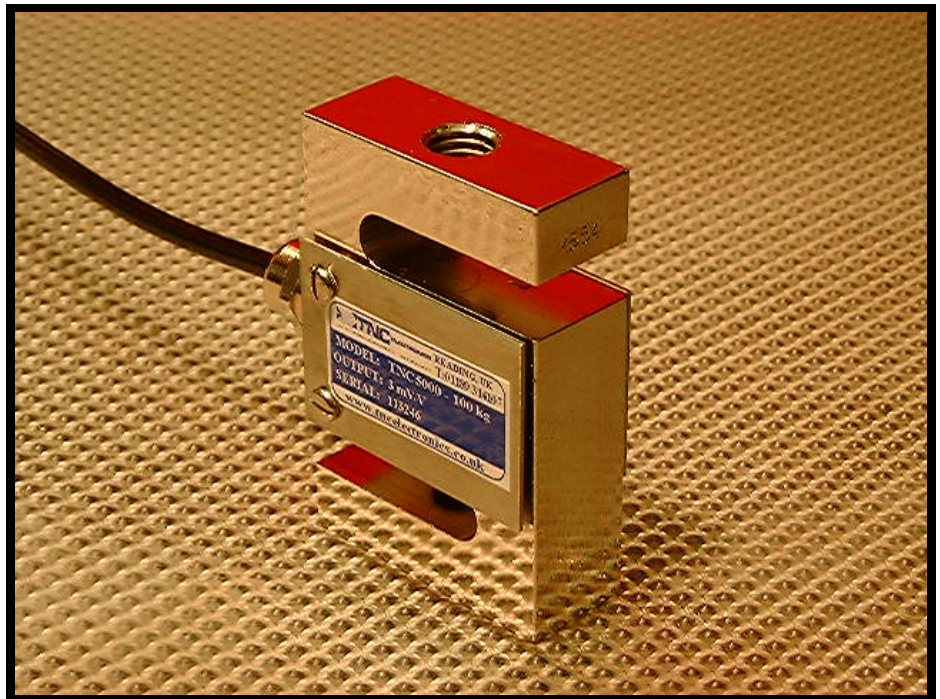


TNC 5100



S – Beam Load Cell Series TNC 5100

CAPACITIES 50 kg to 5,000 kg



- ▶ Alloy steel
- ▶ Tension /Compression
- ▶ Rationalised Output
- ▶ High Accuracy
- ▶ Sealed to IP66
- ▶ Two year guarantee

 **TNC** ELECTRONICS Ltd

STRAIN MEASUREMENT TECHNOLOGY

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TNC 5100

Technical Data

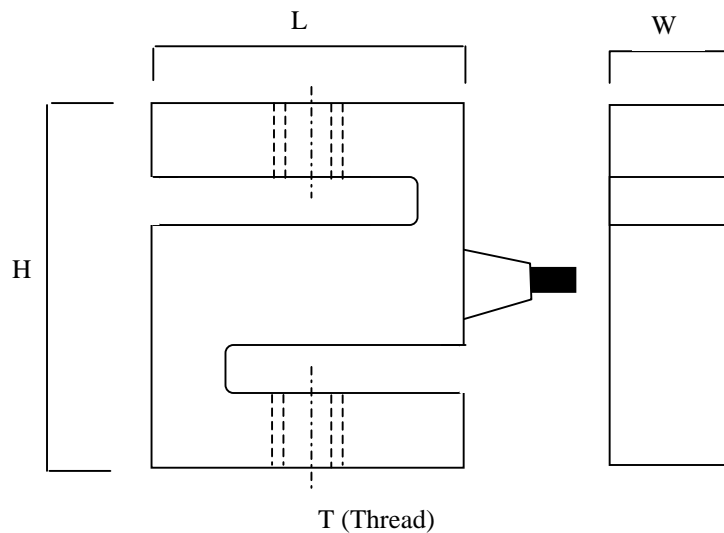
Standard load ranges	kg	50,100, 250,500,750, 1000,2000,5000
Full Load output	mV/V	3.0 +/-0.25%
Excitation voltage (recommended) dc or ac	V	10
Excitation voltage (maximum) dc or ac	V	15
Safe service load	%	150
Ultimate load	%	300
Combined error (non-linearity & hysteresis)	%	<+/- 0.03%
Repeatability	%	<+/- 0.02%
Output at zero load	%	<+/- 1%FSO
Input resistance	ohms	380 +/-30
Output resistance	ohms	350 +/-10
Creep after 30 minutes (20 deg C)	%	<+/- 0.05%
Operational temperature range	deg C	-10 to +73
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	6
Insulation	G ohms	>2 at 100V.dc

NOTE: All percentages related to Full Rated Load

Electrical Connections

Red + input Green + output
Blue - input Yellow - output

Screen not connected to load cell



Capacity (kg)	H	WW	L	T
50-250kg	75	20	50	M12 X 1.75p
500 kg	75	25	50	M12 X 1.75p
750-5,000 kg	100	30	50	M20 X 2.50p

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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