



Description

AST S-Type Tension/Compression (100kg~1t Aluminum) Lower cost general S-Type.

A superb low cost weighing solution, yet surprisingly accurate with good long life features.

The AST is an S-Type tension load cell with MB threads on the 100kg and 250kg, and M12 threads on the 500kg and 1t models.

This is one of the most cost effective S-Type tension cells available.

Robustly constructed in design with carefully selected high strength aircraft aluminium, it is an ideal selection for most industrial weighing applications.

Used extensively in the agricultural industry it has proved to be a rugged long life load cell. Marine grade anodised the AST has an excellent protection rating of IP67 and is backed by a three-year warranty.

Many of the metric accessories throughout our accessory range can be used with this model load cell.

SPECIFICATIONS

Nominal Capacity	100kg ~ 1t	Safe Load	125% of Rated
Signal output at capacity	2mV/V ± 0.1%	Ultimate Load Capacity	
Linearity error	< 0.025% FSO	Input resistance	300% of Rated
Non-Repeatability	< 0.020% FSO	Output Resistance	Capacity
Combined Error	< 0.030% FSO	Insulation Resistance (brd to 410Ω nominal	
Hysteresis	< 0.020% FSO	grd)	352Ω nominal
Creep/Zero Return (30 mins)	< 0.050% / 0.035% FSO	Excitation Voltage (Rec)	> 5000 MΩ at
Zero Balance	< 3.000% Capacity	Excitation Voltage (Max)	100V DC
Temperature Effect on	< 0.015% FSO	Storage Temperature Range	5 ~ 12V AC/DC
Span/10°C	> 0.020% Capacity	Cable Type	15V AC/DC
Temperature Effect on	-10 ~ 40°C	...	-50 ~ 70°C
Zero/10°C	-30 ~ 70°C	Cable Length	4.5mm, Screened,
Compensated Temperature	100% of Rated Capacity	Material	PUR Sheath
Range	RED	Finish	4 Core x 0.24mm ³
Operating Temperature Range	GREEN	Excitation -ve (24 AWG)	
Service Load		Signal -ve	3 Metres
Excitation +ve		Aluminium	
Signal +ve		Marine Anodised	
		BLACK	
		WHITE	

Dimensions (mm)

Capacity	A	C	H	T	W	Weight(kg)
100kg	19	12.5	70	M8 x 1.25P	64	0.26
250kg	19	12.5	70	M8 x 1.25P	64	0.26
500kg	25	17.5	85	M12 x 1.75P	70	0.40
1t	25	20	96	M12 x 1.75P	75	0.50