

Model ASI 6510

S - BEAM LOAD CELL



FEATURES :

- 20 Kgf. to 20000 Kgf. Capacities available
- High Alloy Tool Steel construction for resistance against shock and overload
- Complete Environmental Protection -IP67 class
- Standardised output ($3.0 \pm 0.25\%$) available on request

APPLICATIONS :

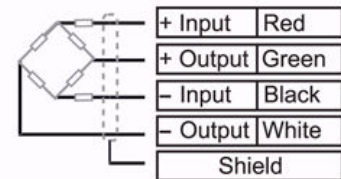
- Conversion of Mechanical Scale to Electronic
- Tank, Hopper & Bag Weighing
- Hanging Scale & Crane Scale
- Force Measurement-Tension & or Compression
- Dynamometer
- Industrial Automation

SPECIFICATION

RATED LOAD (Kg.) 20, 50, 100, 200, 300, 500, 750, 1000, 1500, 2000, 3000

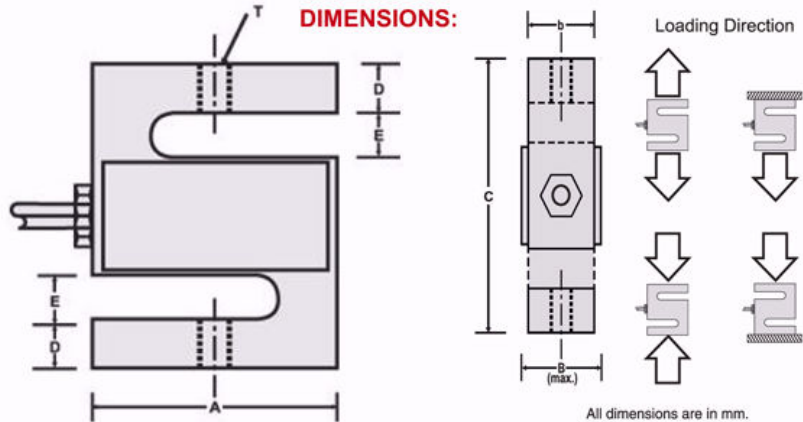
Precision	C2/C3	Insulation Resistance (M Ω)	$\geq 20000(50VDC)$
Composition Error	0.03/0.02	Excitation Voltage (V)	5 ~15 (DC)
Rated Output (mv/v)	3.0 ± 0.2	Compensated Temp. Range ($^{\circ}C$)	-10~+ 50
Non-Linearity (%FS)	0.025	Use Temp. Range ($^{\circ}C$)	-20~+60
Hysteresis (%FS)	0.02	Temp. Effect On Zero (%FS/10 $^{\circ}C$)	0.02
Repeatability (%FS)	0.02/0.01	Temp. Effect On Span (%FS/10 $^{\circ}C$)	0.02
Creep (%FS /30min)	0.03/0.02	Safe Overload (%FS)	150
Zero Balance (%FS)	± 1.0	Ultimate Overload (%FS)	250
Input Resistance (Ω)	400 ± 10	Defend Grade	IP67
Output Resistance (Ω)	350 ± 2	Cable	5 mtr

ELECTRICAL TERMINATION



4 CORE SCREENED CABLE - 5 mtrs.

DIMENSIONS:



CAPACITY Kgf.	A	B (max.)	b	C	T	D	E	Torque m. kg.	Cable Length Mtrs.
20 to 100	50	20	12.5	62	M6 x 1.00	10	9	0.25	5
150 to 1000	50	25	19	62	M12 x 1.25	10	9	0.50	5
1500 to 3000	75	33	27	100	M20 x 1.50	17	9	2.00	5
5000 to 7500	90	40	32	140	M24 x 2.00	25	9	9.00	10
10000	112	52	45	175	M30 x 2.00	40	13	10.00	20
15000 to 20000	150	72	65	250	M36 x 3.00	60	13	12.00	20