

MS1 Sensor

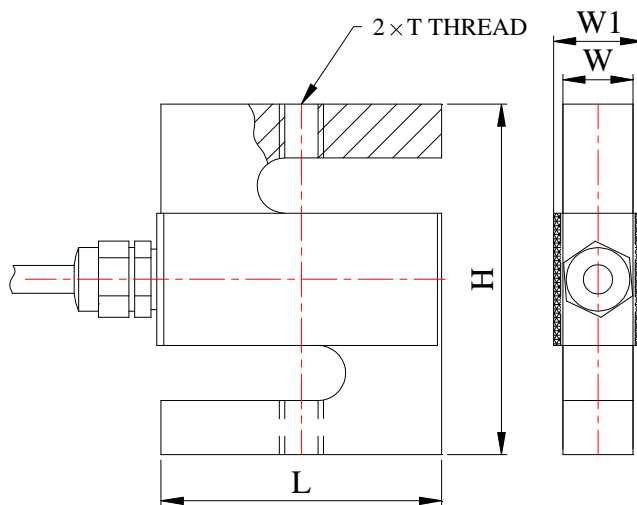
S-Type Sensor



DESCRIPTION

S Type sensor as the name indicated can be easily identified by S-shaped body; They can be loaded either in tension or compression, and used for single or multiple-cell application if the output is rationalized.

OUTLINE DIMENSIONS in millimeters

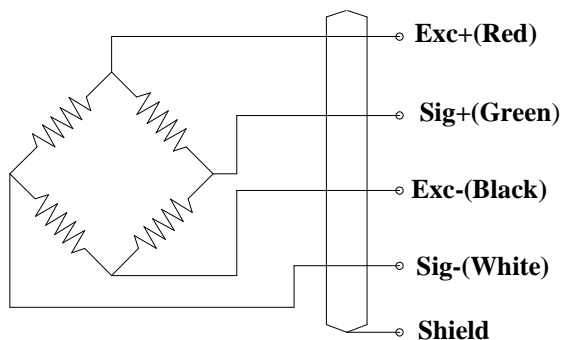


Capacity	Size mm(inch)					Capacity	Size mm(inch)				
	H	L	2*T	W	W1		H	L	2*T	W	W1
25/50/75	63.5 (2.50)	50.8 (2.00)	M6×1.0	12.7 (0.50)	26.7 (1.05)	250~300lb	76.2 (3.00)	50.8 (2.00)	3/8-24UNF	12.7 (0.50)	26.7 (1.05)
100/150kg	63.5 (2.50)	76.2 (3.00)	M10×1.5	19.1 (0.75)	22.92 (0.90)	500~750lb	76.2 (3.00)	50.8 (2.00)	1/2-20UNF	19.1 (0.75)	30.4 (1.20)
250kg	76.2 (3.00)	50.8 (2.00)	M12×1.75	19.1 (0.75)	30.4 (1.20)	1K/1Klb	76.2 (3.00)	50.8 (2.00)	1/2-20UNF	19.1 (0.75)	25.4 (1.00)
500~750kg	76.2 (3.00)	50.8 (2.00)	M12×1.75	19.1 (0.75)	25.4 (1.00)	2K/2.5K/3Klb	76.2 (3.00)	50.8 (2.00)	1/2-20UNF	25.4 (1.00)	31.8 (1.25)
1000/1500kg	76.2 (3.00)	50.8 (2.00)	M12×1.75	31.8 (1.25)	25.4 (1.00)	5K/7.5Klb	107.9 (4.25)	76.2 (3.00)	3/4-16UNF	25.4 (1.00)	31.8 (1.25)
2t/2.5t/5t	100.4 (3.95)	76.2 (3.00)	M20×1.5	38.1 (1.50)	31.8 (1.25)	10Klb	120.7 (4.75)	88.9 (3.50)	3/4-16UNF	25.4 (1.00)	31.8 (1.25)
						15Klb	139.7 (5.50)	101.6 (4.00)	1-14UNS	38.1 (1.50)	31.8 (1.25)
						20Klb	177.8 (7.00)	127 (5.00)	11/4-12UNF	50.8 (2.00)	55.7 (2.19)
						40Klb	254 (10.0)	152.4 (6.00)	11/2-12UNF	63.5 (2.50)	69.9 (2.75)

SPECIFICATIONS

Capacity	kg	25, 50, 75, 100, 250, 750, 1000, 1500, 2000, 2500, 5000kg
	lb	250lb, 300lb, 500lb, 750lb, 1K, 1.5K, 2K, 3K, 5K, 7.5K, 10K, 15K, 20K, 40Klb
Rated output	mv/v	3.0±0.002
Non-linearity	%F.S	0.03
Hysteresis	%F.S	0.03
Creep in 30 minutes	%F.S	0.03
Zero balance	%F.S	±1
Input resistance	Ω	385±5
Output resistance	Ω	350±3
Insulation resistance	MΩ	≥5000
Excitation voltage	V	10V (maximum 15V) AC/DC
Environmental protection		IP67
Safe overload	%F.S	150
Ultimate overload	%F.S	300
Operating temperature range	°C	-10~+40
Material		Alloy steel
Cable Length	m	6

Wiring Schematic Diagram



FEATURE

- Capacities 250lb~40Klb,25~5000kg
- Alloy tool steel construction
- Rationalized output
- Applications electro-mechanical conversion scales, silo, hopper, tank weighing, crane scales, fork-lift scales, dosing, filling, universal material tester, tensile, pulling force measurement.

INTERCHANGEABLE PRODUCTS

- VISHAY Model STC