

MT501 Universal Load Cell



Features

- Capacities
 - 50 kg to 7500 kg
 - 20klb
- Electroless Nickel plated
- Suitable for compression and tension applications
- Easy Installation
- Tool steel construction

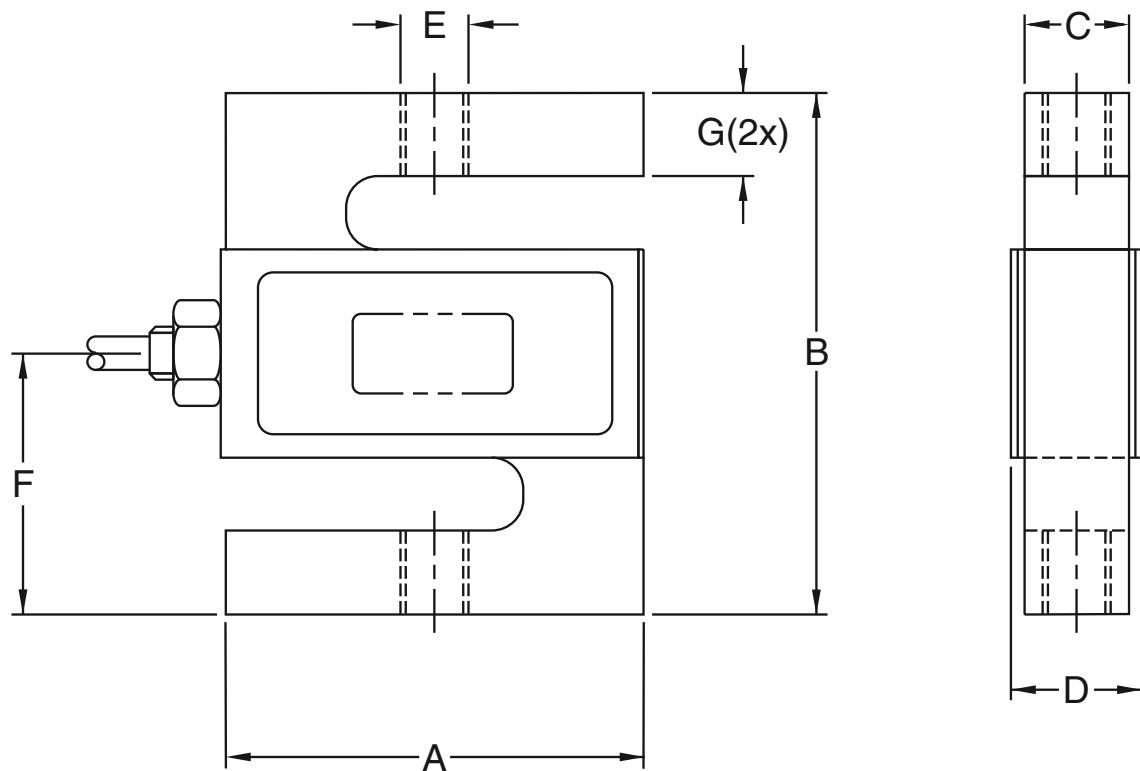
Applications

- Suspended hoppers
- Overhead track scales
- Force measurement
- Mechanical conversion scale
- Crane Scale

Specifications

Capacity	Kg/klb	50 kg,100 kg, 250 kg,500 kg,1000 kg,2000 kg 2500 kg,3000 kg,5000 kg, 7500 kg and 20klb
Combined error	(%FS)	<+/-0.02
Creep	(%FS/30min)	≤± 0.024
Temperature effect on sensitivity	(%FS/10 °C)	≤± 0.011
Temperature effect on zero	(%FS/10 °C)	≤± 0.018
Output sensitivity	(mV/V)	3.0+/-0.01
Input resistance	(Ω)	430 ± 60
Output resistance	(Ω)	350 ± 3.5
Insulation resistance	(MΩ)	≥ 5000 (50VDC)
Zero balance	(%FS)	1.0
Temperature, Compensated	(°C)	-10~+40
Temperature, Operating	(°C)	-35~+65
Excitation, Recommended	(V)	5~12(DC)
Excitation, Max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300

MT501 Universal Load cell Dimensions



Dimensions (mm)

Cap (kg/klb)	50,100 kg	250,500kg	1000kg	2000 ,2500,3000kg	5000kg	7500kg	20klb
A	50.8	50.8	50.8	76.2	76.2	101.6	127
B	63.5	63.5	63.5	101.6	101.6	139.7	177.8
C	12.7	19.0	25.4	25.4	25.4	31.7	50.8
D max	16.5	22.9	29.2	29.2	29.3	35.5	54.6
E	M8x1.25	M12x1.75		M20x1.5		M24x2	1¼-12UNF
F	31.8	31.8	31.8	50.8	50.8	69.9	89
G	10.1	10.1	10.1	15.2	20	30	40

Cable specifications:

Cable length: 6m

Excitation + Red

Excitation - Black

Output + Green

Output - White

Shield Transparent

Cable screen is not connected to load cell body

Specifications are subject to change without notice for improvement

MT401REV00 2203201 1

