

DST Load Cell

DST Load Cell

- Maximum capacity (E_{max}) (klbs):
20,25,40,50,60,75,100,125
- Optional
Stainless Steel available
Hermetically sealed available
- Applications
Silo/hopper/tank weighing
- Features
Double-ended center-load shear beam design
Free of horizontal movement
Insensitive to side load
Electroless nickel plated alloy tool steel



Specifications

Rated Load	klb	20,30,40,50,60,100,150
Rated Output	mV/V	3 ± 0.0075
Zero Balance	%R.O.	±1
Nonlinearity	% R.O.	±0.1
Hysteresis	% R.O.	±0.1
Creep after 30 minutes	%R.O.	±0.05
Temperature effect on min. dead load output	% R.O. /10°C	
Temperature effect on sensitivity	% R.O. /10°C	
Compensated temperature range	°C	
Operating temperature range	°C	
Recommend edexcitation voltage	VDC	5-12 /15(max)
Input impedance	Ω	760±10
Output impedance	Ω	700±5
Output impedance	MΩ	≥5000 (50VDC)
Safe overload	%R.C.	150
Ultimate overload	%R.C.	300
Material		Alloy Steel
Degree of protection		IP66
The length of the cable	m	8/13
Wiring code	Ex:	Red: + Black: -
	Sig:	Green: + White: -
	Shield	Bare

Description

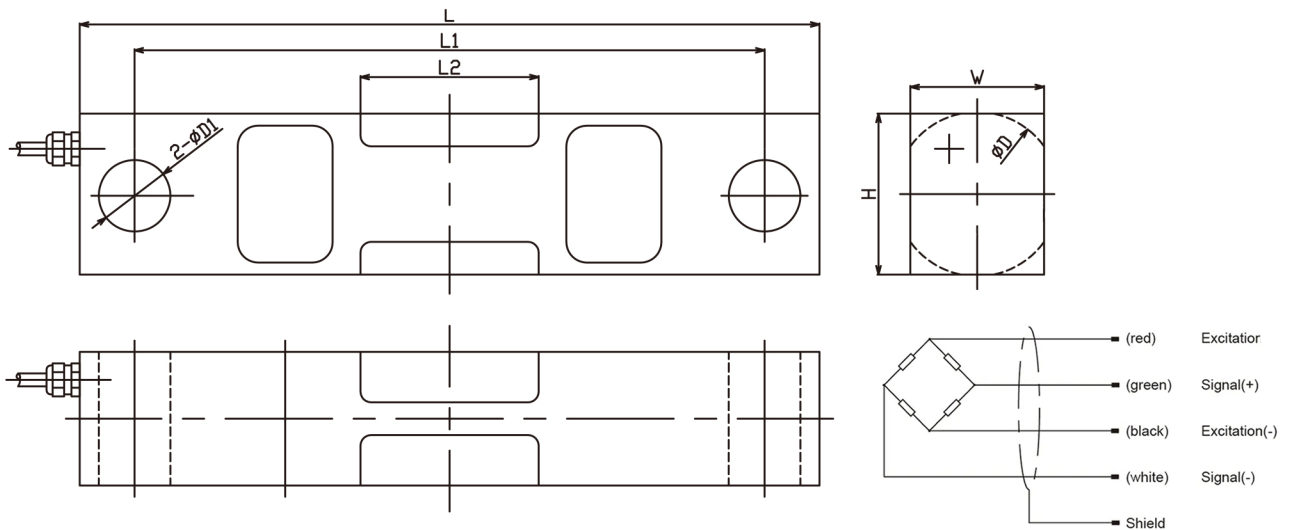
The double-ended mounting provides good restraint to possible movement of the tanks and, in many cases, eliminates the need for check rods. The Shear Beam design gives excellent performance for high capacity loading.

The output is rationalized to facilitate multiple-cell application.

DST is constructed of alloy tool steel and is potted to IP66 providing excellent protection against moisture and humidity. The DST, is also available in a stainless steel, hermetically sealed version. It is the ideal choice for vessel weighing and batching systems.

model DST is designed for multiple load cell applications such as medium to high-capacity bin, silo, and hopper weighing applications.

Dimensions



量程 (klbs)		L	L1	L2	W	H	D	D1
20/25	mm	109.5	158.8	35.4	31.7	31.7	31.7	41.4
	inch	8.25	7.25	6.25	1.94	2.97	2.00	1.63
40	mm	222.3	190.5	50.0	36.6	49.3	50.8	20.6
	inch	8.75	7.50	1.97	1.44	1.94	2.00	0.81
50/60/75	mm	342.9	292.1	82.6	62.0	74.4	76.2	33.3
	inch	13.50	11.50	3.25	2.44	2.94	3.00	1.31