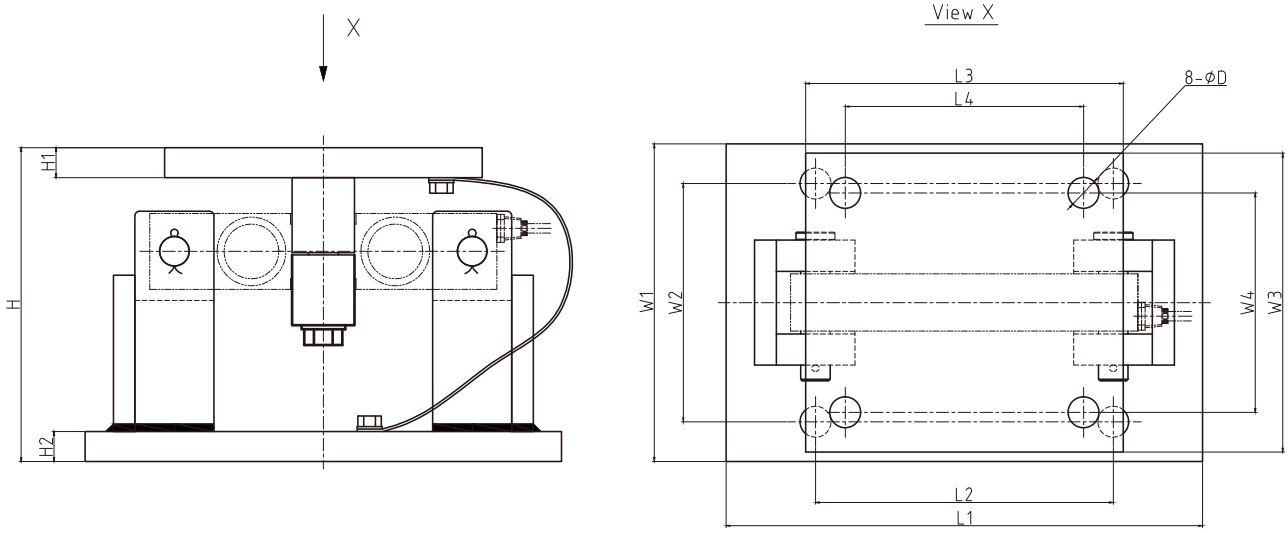
Key feature:

- Double-ended shear beam design, center loaded
- Self-reset, smart design facilitate module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Capacity: 2.5klb-75klb
- Alloy steel and stainless steel optional.
- Assembled with double-ended shear beam DB916A

Product description:

Weigh module of M-DB916A-1A is with perfect level of performance in tank and hopper weighing applications. M-DB916A-1A series kit is ideally suited for indoor and outdoor process weighing system in the medium to high capacity ranges. Each module incorporates self-checking capability for thermal expansion and contraction. Also welds between parts are very smooth and strong.

Dimensions (in mm& lb):



Rated Capacity	L1	L2	L3	L4	W1	W2	W3	W4	H	H1	H2	ØD
lb/inches												
2.5K-5K	9.34	6.25	4.00	2.75	5.00	3.75	4.00	2.75	5.13	0.50	0.50	0.56
10K-35K	12.00	7.50	8.00	6.00	8.00	6.00	8.00	6.00	7.90	0.75	0.75	0.78
50K-75K	16.25	11.50	9.00	6.50	12.00	9.50	9.00	6.50	9.30	0.98	0.98	0.78

M-DB916A-1A Weighing Module Specifications

Parameter		Units	Specification		
Model No.			M-DB916A-1A		
Load Cell			DB916A		
Rated capacity (Emax)		lb	2.5K; 5K; 10K; 20K; 35K; 50K; 75K		
Rated output		mV/V	3.0 ± 0.1%		
Combined error [1)2)]		% of Emax	< ± 0.03		
Repeatability error		% of AL [3)]	< ± 0.02		
Creep; 30 minute		% of AL	< ± 0.02		
Min. dead load output return (DR); 30 min		% of AL	< ± 0.02		
Temp. effect on	Min. dead load output	% of Emax/°C	< ± 0.002		
	Rated output [2)]	% of AL/°C	< ± 0.002		
Temperature range	Compensated	°C(°F)	-10 to +40 [+14 to +104]		
	Operating		-30 to +65 [-22 to +149]		
	Safe storage		-40 to +80 [-40 to +176]		
Excitation voltage	Recommended	V AC/DC	5 ~ 15		
	Maximum		20		
Terminal resistance	Excitation	Ω	760 ± 10		
	Output		700 ± 3		
Insulation resistance @50VDC		MΩ	>5000		
Breakdown voltage		V AC	>500		
Seal type / IP rating			Hermetically welded / IP68		
Load limit	Safe	% of Emax	150		
	Ultimate		200		
Cable length		ft	2.5K-5K	10K-35K	50K-75K
			20.0	40.0	52.5

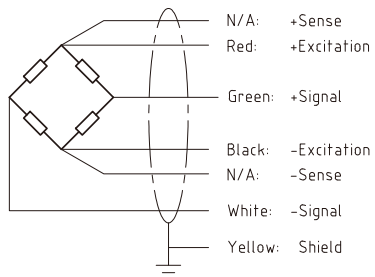
Notes:

[1)] Error due to the combined effect of non-linearity and hysteresis

[2)] The sum of errors due to Temperature Effect on Output comply with the requirements of OIML R60 and NIST HB44

[3)] AL = Applied Load

Cable Colour Code: 4-wire [Optional: 6-wire]



Shield connected to load cell body