

LOAD WASHER

Model LAW

LAW is a stainless steel subminiature strain gauge based transducer with compensated temperature performance. This type provides measurements up to 20000lbf with better than $\pm 0.5\%$ (full scale) non-linearity.



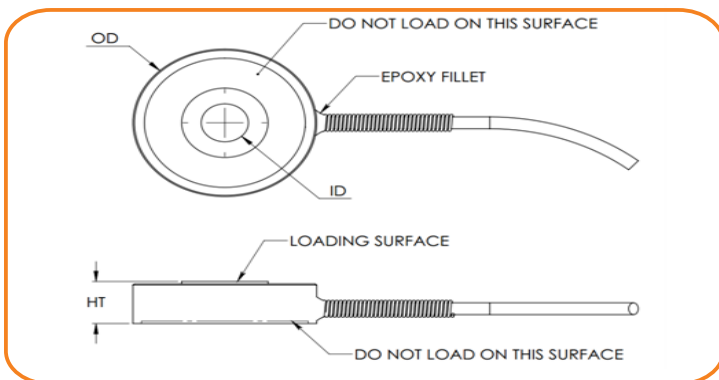
SPECIFICATIONS

Specifications	Accuracy
Rated capacity(R.C.)	5, 10, 25, 50, 100, 250, 500, 1k, 2k, 5k, 7.5k, 10k, 20k LBS
Rated output(R.O.)	0.2mV/V(5LB), 0.4mV/V(10LB), 1mV/V(25LB), 2mV/V(50-20000LB)nom.
Nonlinearity	0.5% of R.O.
Hysteresis	0.5% of R.O.
Repeatability	0.1% of R.O.
Zero balance	$\pm 2.0\%$ of R.O.
Temperature effect, on rated output	0.01% of LOAD / 10°C
Temperature effect, on zero balance	0.01% of R.O. / 10°C
Temperature range, compensated	$-15\sim 71^{\circ}\text{C}$
Temperature range, safe	$-51\sim 93^{\circ}\text{C}$
Input impedance	770Ω
Protection class	Ip64
Excitation recommended	5V
Safe overload	150% R.C.
Cable length	3ft, 5ft, 10ft

DIMENSIONS TABLE

unit:inch

MODEL	OD	ID	SCREW SIZE	HT	CAPACITIES (lbf)											
					5	10	25	50	100	250	500	1k	2k	5k	7.5k	10k
LAW1	1	0.136	1/8	0.28												
	1	0.201	3/16	0.28												
	1	0.266	1/4	0.28												
	1	0.332	5/16	0.28												
	1	0.397	3/8	0.28												
LAW2	1.5	0.397	3/8	0.5												
	1.5	0.469	7/16	0.5												
	1.5	0.531	1/2	0.5												
	1.5	0.656	5/8	0.5												
	2	0.136	1/8	0.63												
LAW3	2	0.201	3/16	0.63												
	2	0.266	1/4	0.63												
	2	0.332	5/16	0.63												
	2	0.397	3/8	0.63												
	2	0.469	7/16	0.63												
	2	0.531	1/2	0.63												
	2	0.594	9/16	0.63												
LAW4	2	0.656	5/8	0.63												
	3	0.136	1/8	1												
	3	0.201	3/16	1												
	3	0.266	1/4	1												
	3	0.332	5/16	1												
	3	0.397	3/8	1												
	3	0.469	7/16	1												
	3	0.531	1/2	1												
	3	0.594	9/16	1												
	3	0.656	5/8	1												
	3	0.781	3/4	1												
	3	0.906	7/8	1												
	3	1.031	1	1												
	3	1.281	1 1/4	1												
	3	1.531	1 1/2	1												



	Common capacities
	Available on request

