

SLIM HOLLOW TYPE LOAD CELL

Model LWOM

These load cells are extremely Slim and lightweight.

Easy installation with hole in center.

Designed for use in civil engineering measurement, these loads on tunnel supports and soil pressure on protective Walls to aid control in construction projects.



SPECIFICATIONS

Specifications	Accuracy
Rated capacity (R.C.)	2400~300000 LB
Rated output (R.O.)	2mV/V
Nonlinearity	2% of R.O.
Hysteresis	2% of R.O.
Repeatability	1% of R.O.
Zero balance	±1.0% of R.O.
Temperature effect, on rated output	0.05% of LOAD / 10°C
Temperature effect, on zero balance	0.1% of R.O. / 10°C
Temperature range, compensated	10~60°C
Temperature range, safe	-10~80°C
Terminal resistance input	350±30Ω
Terminal resistance output	350±2Ω
Insulation resistance bridge/case	2000 MΩ
Excitation recommended	10V
Safe overload	150% R.C.

DIMENSIONS TABLE

unit:inch

Capacity lb	O.D.DIA.	I.D.DIA.	D	H
2,400	.85	.192	.345	.350
4,000	.85	.262	.400	.350
7,000	.85	.326	.520	.350
10,000	.85	.390	.620	.350
14,000	1.00	.454	.725	.350
20,000	1.00	.517	.850	.350
25,000	1.25	.580	.960	.350
30,000	1.25	.644	1.040	.350
45,000	1.50	.770	1.200	.375
60,000	1.75	.897	1.490	.500
80,000	2.00	1.024	1.710	.500
80,000	2.00	1.150	1.790	.500
125,000	2.37	1.279	2.140	.625
190,000	3.00	1.533	2.640	.875
260,000	3.50	1.787	3.000	1.250
300,000	3.75	2.041	3.300	1.370

