

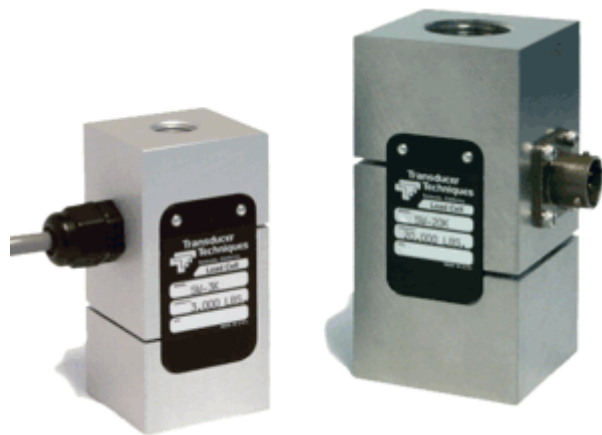


# A COMPACT ACCURATE LOAD CELL UNIVERSAL / TENSION OR COMPRESSION

## SWO SERIES LOAD CELL

**CAPACITY RANGES:  
 1,000, 2,000, 3,000, 5,000,  
 10,000, 20,000, 30,000, 50,000 LBS.**

We designed the SWO Series Load Cell as an economical solution for applications that require force measurement or load feedback in both tension and compression with good output (millivolt) compliance. When applied as an in line load link or base mounted, the SWO Series offers good side load rejection. Ranges from 1,000 lbs. through 3,000 lbs. are anodized aluminum and ranges 5,000 lbs. through 50,000 lbs. are made from 17-4ph heat treated stainless steel. The sensing element incorporates bonded foil strain gages of the highest quality and are sealed for protection against most industrial Environments.

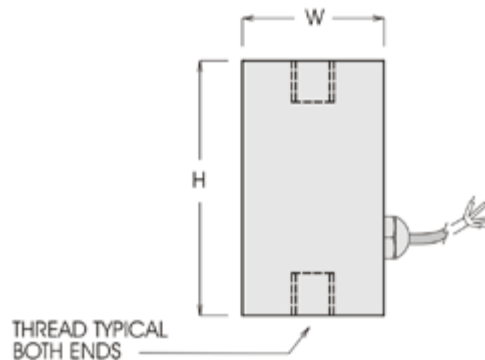


### SPECIFICATIONS

- Rated Output (R.O.): 2 mV/V nominal
- Nonlinearity: 0.1% of R.O.
- Hysteresis: 0.1% of R.O.
- Nonrepeatability: 0.05% of R.O.
- Zero Balance: 1.0% of R.O.
- Compensated Temp. Range: 60° to 160°F
- Safe Temp. Range: -65° to 200°F
- Temp. Effect on Output: 0.005% of Load/°F
- Temp. Effect on Zero: 0.005% of R.O./°F
- Terminal Resistance: 350 ohms nominal
- Excitation Voltage: 10 VDC
- Safe Overload: 150% of R.O.

**MODELS**  
 SWO-1K AND SWO-2K  
 SWO-3K THRU SWO-10K  
 SWO-20K THRU SWO-50K

**CABLE SUPPLIED**  
 10' 4 CONDUCTOR  
 10' 6 CONDUCTOR  
 CONNECTOR (PT02A-10-6P)



### DIMENSIONS(INCHES)

MODEL	CAPACITY LBS.	H	W SQ.	THREAD	THREAD DEPTH	NATURAL RINGING FREQUENCY HZ	DEFLECTION	WT. LBS.
SWO-1K	1,000	2.25	1.230	3/8-24 UNF	0.400	3,500	0.003	0.3
SWO-2K	2,000	2.25	1.230	3/8-24 UNF	0.400	5,000	0.003	0.3
SWO-3K	3,000	3.00	1.480	1/2-20 UNF	0.500	5,000	0.003	0.6
SWO-5K	5,000	3.00	1.425	3/4-16 UNF	0.750	5,000	0.003	1.9
SWO-10K	10,000	3.00	1.925	3/4-16 UNF	0.750	6,500	0.003	1.9
SWO-20K	20,000	3.85	1.925	1-14 UNS	0.970	6,500	0.006	4.3
SWO-30K	30,000	4.75	2.925	1 1/4-12 UNF	1.250	8,000	0.006	10
SWO-50K	50,000	5.50	2.925	1 1/2-12 UNF	1.500	9,500	0.006	12