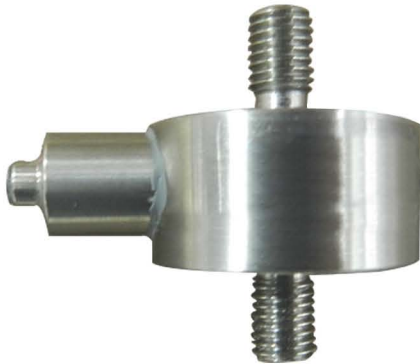




Series MCTG50

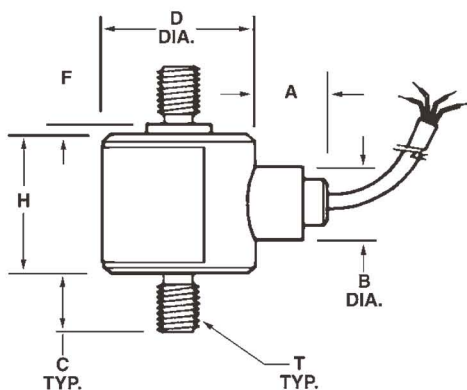
Miniature Load Cells



The MTCG50 is a precision miniature force cell which measures both tension and compression load forces of 50 grams to 10,000 pounds. These models are highly accurate, rugged miniature load cells. Model MTCG50's welded, stainless steel construction utilizes a "triple" stack design to reduce the effects of off-axis loads. The internal construction assures excellent long term stability for ranges of 1000 grams and above. All of the basic engineered concepts of larger load cells, such as precision calibration, stabilizing diaphragms, temperature compensation, etc., are built into this model.

- MINIATURE & RUGGED
- WIDE CAPACITY RANGE
- STAINLESS STEEL
- AMPLIFIED OUTPUT OPTION

SPECIFICATIONS



LOAD RANGES:	50 g to 10,000 lb
LINEARITY/HYSTERESIS:	50 g to 250 lb - $\pm 0.15\%$ F.S. 500 lb to 10,000 lb - $\pm 0.2\%$ F.S.
REPEATABILITY:	50 g to 1000 g - $\pm 0.1\%$ F.S. 5 lb to 10,000 lb - $\pm 0.05\%$ F.S.
MATERIAL:	Stainless Steel
TEMPERATURE RANGE:	60° to 160° F
OUTPUT:	50 g to 150 g - .1mv/v/g 250 g to 500 g - 20mv/v 1000 g - 1.5 mv/v 5 - 10,000 lb - 2mv/v
BRIDGE RESISTANCE:	50 g to 500 g - 500 ohm 1000 g to 10,000 lb - 350 ohm
EXCITATION:	50 g to 10 lb - 5 Vdc 25 lb to 10,000 lb - 10 Vdc
SAFE OVERLOAD:	50 % Over Capacity
DEFLECTION:	.0005" - .0020" F.S.
CABLE:	5 ft

Dimension

AVAILABLE RANGES	T Thread	D" Dia	H"	C" Typ.	F"	A"	B"
50; 150; 250 ; 500 g**	#6-32 UNC	1.00	.75	.25	.11	.50	.38
1000 g; 5 ; 10 lb	#6-32 UNC	.75	.45	.25	.05	.31	.19
25 ; 50 ; 100 lb	#10-32 UNF	1.00	.52	.25	.03	.50	.25
250 ; 500 ; 1000 lb	1/4-28 UNF	1.00	.52	.38	.03	.50	.25
2000; 3000 lb	3/8-24 UNF	1.00	.72	.50	.03	.50	.38
4000; 5000 lb	1/2-20 UNF	1.25	.94	.63	.03	.50	.38
7500; 10,000 lb	3/4-16 UNF	1.38	1.10	.88	.03	.50	.38
*Stock ranges are in bold type							
** These ranges are built with overload stops							

* Specifications are subject to change without notice

WZO CONTROLS LTD