

The ATC is a donut load cell specially designed for the measurement compressive/tension forces and weight. Its form factor allows for better stability and use in small space applications.



FEATURES

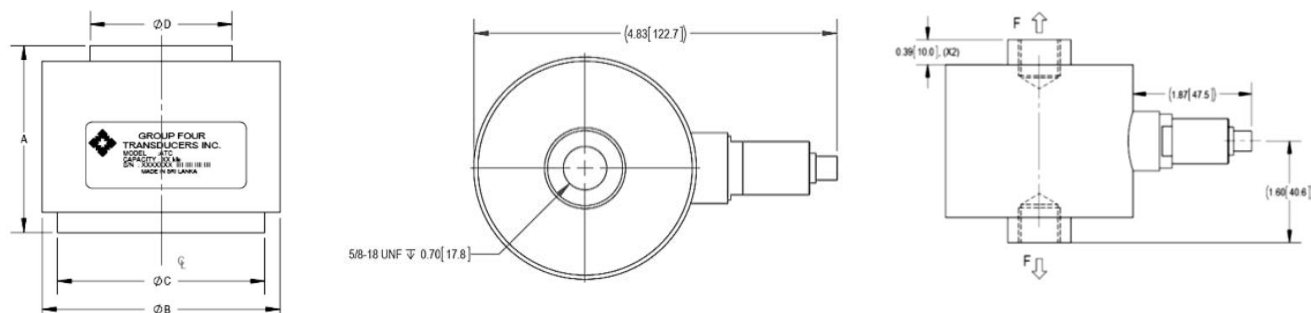
- Capacities; 1, 2, 5, 10, 25 & 50klbs
- Environmental Protection IP69
- Stainless Steel construction
- M8 5 Pin Male Connector

APPLICATIONS

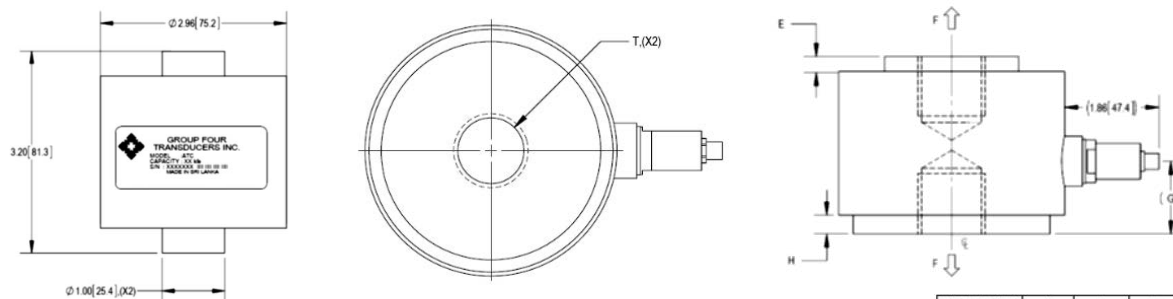
- Tension/Compression
- Force Measurement
- Weight Measurement

DIMENSIONS

Dimensions for 1KLB, 2KLB, 5KLB



Dimensions for 10KLB, 25KLB, 50KLB

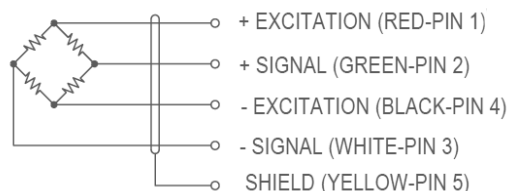


CAPACITY	A	B	C	D	E	G	H	T
10klb	2.51 [63.8]	3.48 [88.4]	2.53 [64.3]	1.25 [31.8]	0.12 [3.0]	1.00 [25.4]	0.12 [3.0]	5/8-18 UNF ▽ 1.12 [28.4]
25klb	3.50 [88.9]	4.46 [113.3]	3.89 [98.8]	2.65 [67.3]	0.30 [7.5]	1.43 [36.4]	0.37 [9.4]	1-1/4-12 UNF ▽ 1.40 [35.5]
50klb								

SPECIFICATIONS

Model	ATC 5000	
Capacities	klb	1, 2, 5, 10, 25, 50
Full Scale Output (FS)	mV/V	2.0±0.1%
Non-Linearity	%FS±±	≤ ±0.03
Hysteresis	%FS	≤ ±0.03
Creep @ 30 Min	%FS	≤ ±0.02
Zero Balance	%FS	≤ ±5
Temperature Effect		
Output	%FS/10°C	≤ ±0.04
Zero	%FS/10°C	≤ ±0.04
Temperature Range		
Compensated	°C	-10 ~ +40
Operating	°C	-20 ~ +65
Terminal Resistance		
Input	Ω	425±50
Output	Ω	350±5
Excitation Voltage	VDC	5 ~ 15
Insulation Resistance @50 VDC	MΩ	≥5000
Safe Overload Limit	%FS	150
Ultimate Load	%FS	160
Seal Type	IP69	
Element Material	Stainless Steel	

WIRING GRAPHIC



PIN CONFIGURATION



PART NUMBER

Capacity (klb)	Part Number
1	5000-002-00
2	5000-003-00
5	5000-004-00
10	5000-005-00
25	5000-006-00
50	5000-007-00