

## Low Profile Compression Disc

### FEATURES

- Capacities 0.1, 0.2, 0.3, 0.5, 60, 200 t
- IP66 protection
- Compact size with low profile
- Alloy steel construction
- (Low capacities 0.1, 0.2, 0.3 and 0.5 t aluminum construction)

### APPLICATIONS

- Testing machines
- Hopper/tank/vessel weighing

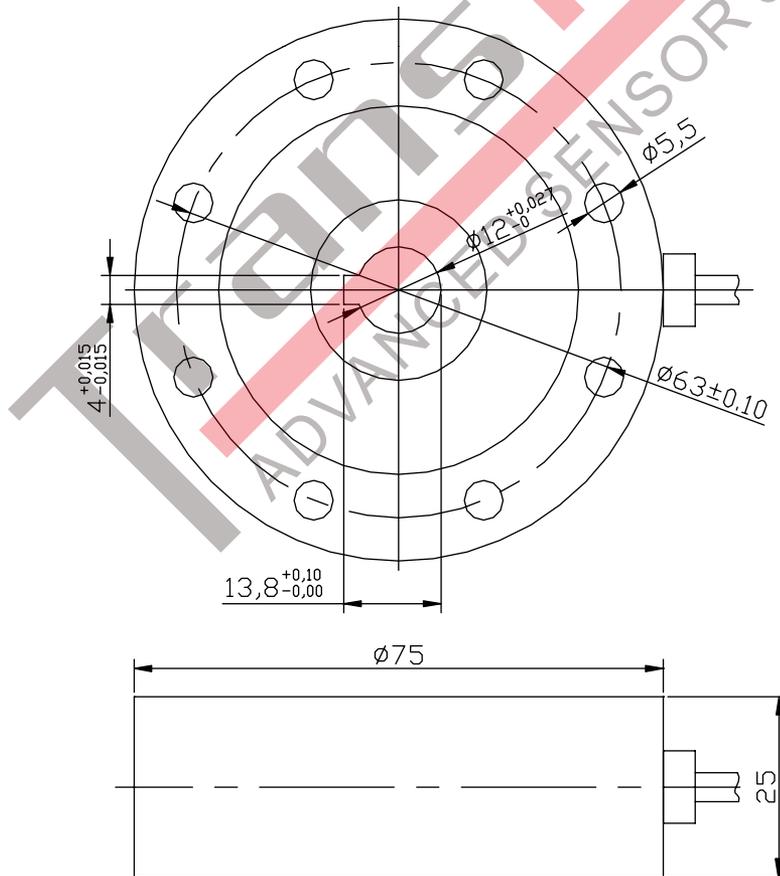
### DESCRIPTION

The Model MFT compression disc is a suitable solution for applications where critical height is a safety concern. The shear web design provides excellent performance even when side forces are inevitable in normal operations applications.

This product is suitable for testing machines, platform scales, hoppers and tank weighing.



### OUTLINE DIMENSIONS (100, 200, 300, 500 kg) in millimeters



#### Cable specification

Cable length: 4 m  
 Excitation +: Red  
 Excitation -: Black  
 Output +: Green  
 Output -: White



## Low Profile Compression Disc

SPECIFICATIONS		
PARAMETER	VALUE	UNIT
Rated capacity—RC (Emax)	0.1, 0.2, 0.3, 0.5, 60, 200	t
Rated output—RO	2.0	mV/V
Rated output tolerance	10.0 (0.1, 0.2, 0.3, 0.5 t), 1.0 (60 t), 5.0 (200 t)	±% of RO
Zero balance	1.0 (0.1–60 t)      3.0 (200 t)	±% of RO
Zero return, 30 min.	0.03 (200 t)	±% of applied load
Zero return, 20 min.	0.05 (0.1–60 t)	±% of applied load
Temperature effect on zero on span	0.0026 (0.1–200 t) 0.0015 (0.1–60 t), 0.003 (200 t)	±% of RO/°C ±% of RO/°C
Nonlinearity	0.1 (0.1–200 t)	±% of RO
Nonrepeatability	0.05 (0.1–60 t), 0.02 (200 t)	±% of RO
Creep error (20 minutes)	0.05 (0.1–60 t)	±% of applied load
Creep error (30 minutes)	0.03 (200 t)	±% of applied load
Deflection at rated load	<0.5 (0.1–60 t), <1 (200 t)	mm
Hysteresis error	0.10 (0.1, 0.2, 0.3, 0.5, 200 t), 0.15 (60 t)	±% of RO
Temperature range, compensated	–10 to +40	°C
Temperature operating range, safe	–20 to +60	°C
Maximum safe central overload	150	% of RC
Ultimate central overload	200	% of RC
Excitation, recommended maximum	10 15	VDC VDC
Input impedance	1050 ±20 (0.1, 0.2 t), 350 ±15 (0.3, 0.5 t), 385 ±15 (60 t), 410 ±10 (200 t)	Ω
Output impedance	1050 ±20 (0.1, 0.2 t), 350 ±15 (0.3, 0.5 t), 350 ±15 (60 t), 350 ±3 (200 t)	Ω
Insulation resistance	>5000	MΩ
Cable length	4 (0.1–0.5 t), 8 (60 t), 10 (200 t)	m

RO—Rated Output  
RC—Rated Capacity

All specifications are subject to change without notice.

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