

MT701 Compression Load Cell



Features	Applications
Capacities 23t to 450t	Weighbridges
Stainless Steel Construction	Tank weighing
Laser welded, Hermetically sealed	Hopper and Silo weighing
High Accuracy	
Column Construction	

Specifications

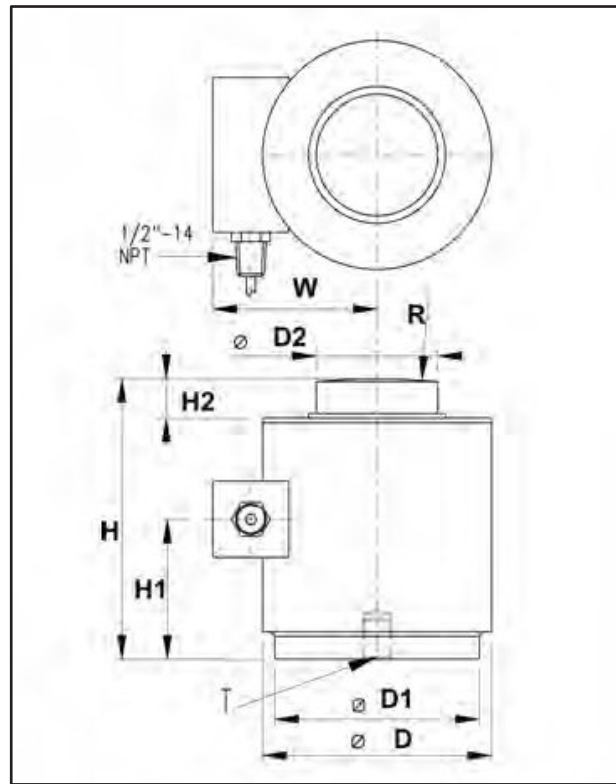
Rated Capacity	t (klb)	23,45,90,180,225,450 (50,100,200,400,500;1000 klb)
Combined Error	(%FS)	≤±0.023
Creep (30 minutes)	%FS/30min	≤±0.024
Temperature effect on sensitivity	(%FS/10C)	≤±0.010
Temperature effect on zero	(%FS/10C)	≤±0.015
Output sensitivity at rated capacity in klb	(mv/v)	1.75+/-0.01
Input resistance	(Ω)	450+/-5
Output resistance	(Ω)	480+/-5
Insulation resistance	(MΩ)	≥ 5000 (50VDC)
Zero balance	(%FS)	1.0
Temperature, Compensated	(°C)	-10~+40
Temperature, Operating	(°C)	-20~+60
Excitation, Recommended	(V)	5~12(DC)
Excitation, Max	(V)	20(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300



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Dimensions (mm)

Part Number	Cap	D	D1	D2	H1	H2	W	H	R	T
MT701LC23t	23t	75.0	62.0	31.8	32.5	10.0	64.0	83.0	127	1/2" -20, 1/2" deep
MT701LC45t	45t	100.5	82.6	59.0	54.6	14.0	86.0	127.0	152	3/4" -16, 3/4" deep
MT701LC90t	90t	150.6	134.4	80.0	92.0	26.0	108.0	184.5	400	M20*1.5, 25 deep
MT701LC180t	180t	150.6	134.4	80.0	92.0	26.0	108.0	184.5	400	M20*1.5, 25 deep
MT701LC225t	225t	165.0	148.0	93.7	92.0	26.0	108.0	229.0	400	M20*1.5, 25 deep
MT701LC450t	450t	177.0	165.1	139.7	117.0	22.0	115.0	304.8	1145	M20*1.5, 25 deep

Cable: 12m long, 4 core

Specifications are subject to change without notice for improvement

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