

Easy System Integration Platform Size 600x600 mm



Floor Scale, Tank Weighing

MT1260 provides the best weighing performance for floor scales and hopper weighing in its capacity range. With a low profile design, cost optimization and an attractive product appearance can be achieved.



Off-Center compensation

One load cell can be used to support a weighing platform and, due to the off-center load compensation, the MT1260 will weigh within tolerance regardless of load application point.



Robustness

MT1260 allows 50% static overload without compromising the weighing performance. The passivated aluminium provides good corrosion resistance suitable for many industrial applications.

MT1260 Single Point Load Cell

The MT1260 load cell features:

- OIML R60 C3 approval
- Off-center load compensation (R76)
- 600x600 mm platform size
- IP67 protection class
- Passivated aluminum
- 50-750kg capacity range

The MT1260 is the ideal solution for floor scales and smaller hoppers. Due to the low profile the integration into any system is easy. The broad capacity range and large platform size allows wide useage in industrial weighing applications.

MT1260 Load Cell Specifications

Parameter	unit of measure	Specification								
Model No:		MT1260								
Rated Capacity (R.C.)	kg (lb, nominal)	50 (110)	75 (165)	100 (220)	150 (331)	200 (441)	250 (551)	300 (661)	500 (1102)	750 (1654)
Rated Output	mV/V @R.C.	2 ± 0.2								
Zero load Output	%R.C.	≤ 10								
Combined Error ¹⁾	%R.C.	≤ 0.018								
Repeatability Error	%R.C.	≤ 0.01								
Creep, 30 minute	%A.L. ²⁾	≤ 0.0167								
Min. Dead Load Output Return (DR), 30 min	%A.L.	≤ 0.0167								
Temperature Effect on	Min Dead load Output	%R.C./°C (./°F)								
	Sensitivity	%A.L./°C (./°F)								
Temperature Range	Compensated	°C (°F)								
	Operating	°C (°F)								
	Safe Storage	°C (°F)								
OIML / European Approval ³⁾	OIML Cert. No.	R60/2000-NL 1-03.14								
	European Cert. No.	NMI TC5367								
	Class	C3								
	n _{max}	3000								
	Y	6000								
	Z	3000								
	PLC	0.7								
	Humidity Symbol	none								
Excitation Voltage	Min. dead load	kg (lb)								
	Recommended	V AC/DC								
Terminal Resistance	Maximum	V AC/DC								
	Excitation	Ω								
Insulation Resistance @50VDC	Output	Ω								
	Breakdown Voltage	MΩ								
Material	Spring Element	V AC								
	Enclosure	Aluminum								
	Cable entry fitting	none								
	Cable	PVC								
Protection	Type	silicone cover								
	IP Rating	IP 67								
Load Limit	Safe	%R.C.								
	Ultimate	%R.C.								
Safe Dynamic Load	%R.C.	70								
Fatigue Life	cycles @R.C.	>1,000,000								
Direction of Loading		compression								
Deflection @ R.C.	mm (in)	0.3 typ (0.12 typ)								
Weight	kg (lb)	1.9 (4.2)								
Cable Length	m (ft)	2 (6.6); 6 (20)								
Barometric Pressure Effect on Zero Load Output	kg/kPa (lb/in.Hg)	none								
Overload Protection		No								
Mounting Screw	Grade	12.9								
	Size/thread	M8x1.25								
	Engaged Length	mm (in)								
	Torque	N.m (ft-lb)								
Max Platter Size	cm x cm (in x in)	60x60 (23.6x23.6)								
Off Center Load Error @33%R.C.	%A.L./cm (./in)	0.0033 (0.008)								

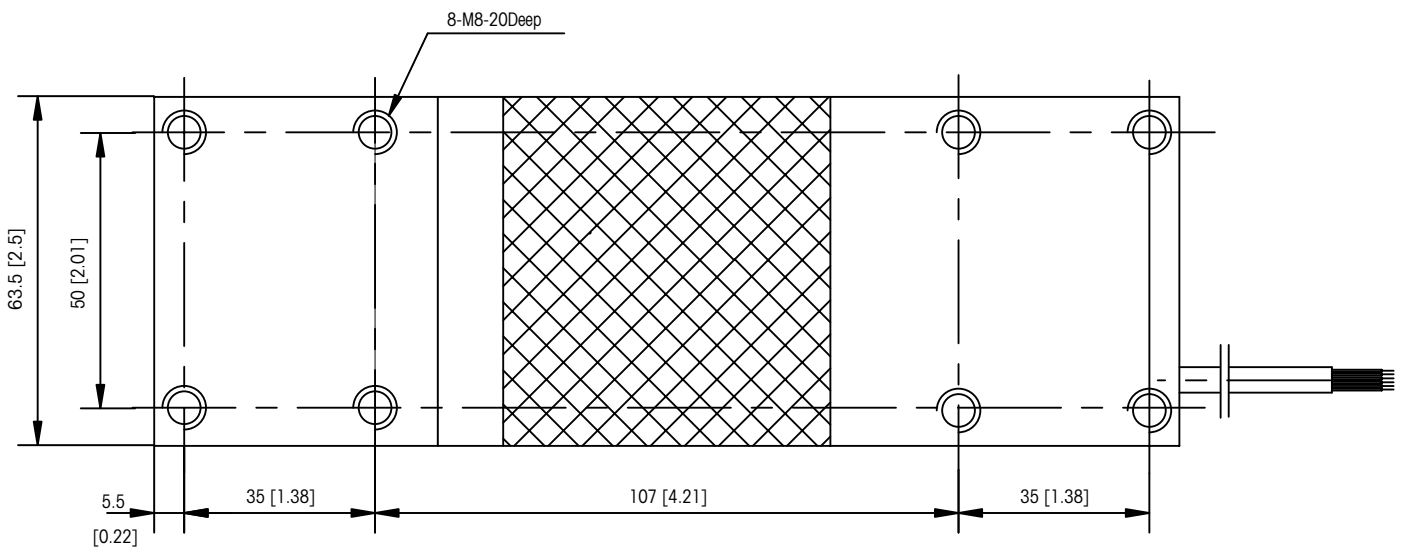
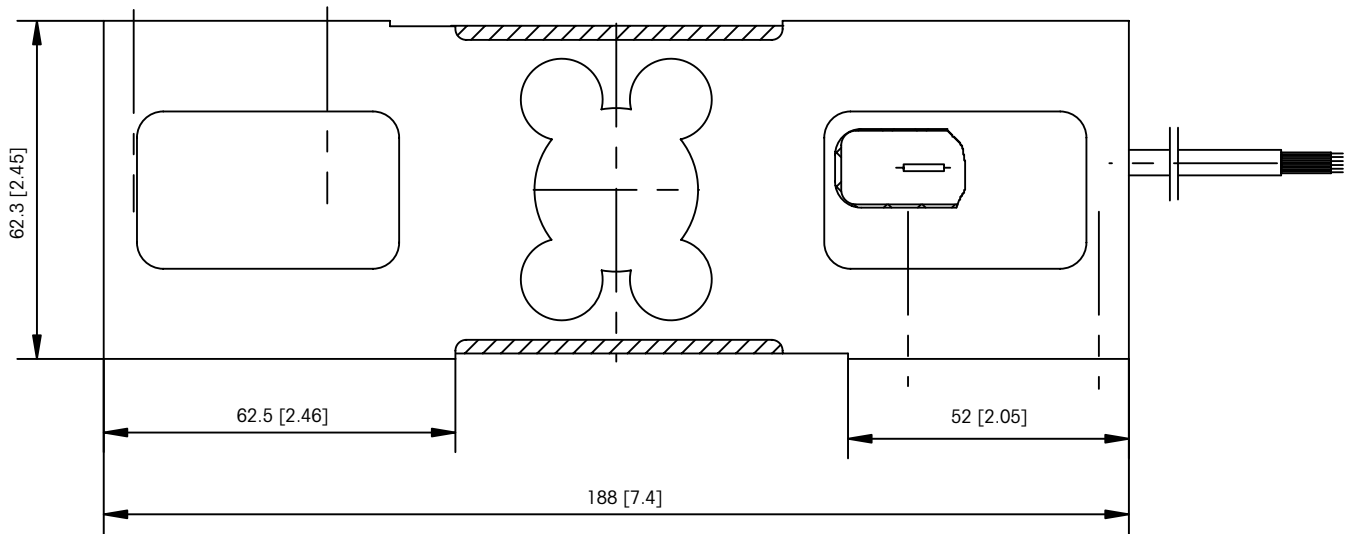
¹⁾ Error due to the combined effect of non-linearity and hysteresis

²⁾ A.L. = Applied Load

³⁾ See certificate for complete information.



MT1260 Load Cell Dimensional Drawings mm [inch]



MT1260 Load Cell Order Information

Description	Item No.
Load Cell MT1260-50kg-2M	71201844
Load Cell MT1260-75kg-2M	71201845
Load Cell MT1260-100kg-2M	71201846
Load Cell MT1260-150kg-2M	71201847
Load Cell MT1260-200kg-2M	71201848
Load Cell MT1260-250kg-2M	71201849
Load Cell MT1260-300kg-2M	71207455
Load Cell MT1260-500kg-2M	71207456
Load Cell MT1260-750kg-2M	71201852
Load Cell MT1260-50KG-6M	72208484
Load Cell MT1260-75KG-6M	72208485
Load Cell MT1260-100KG-6M	72208486
Load Cell MT1260-150KG-6M	72208487
Load Cell MT1260-200KG-6M	72208488
Load Cell MT1260-250KG-6M	72208489
Load Cell MT1260-300KG-6M	72208490
Load Cell MT1260-500KG-6M	72208491
Load Cell MT1260-750KG-6M	72208492

MT1260 Load Cell Cable Colours

Colour	Function
Green	+ Excitation
Black	- Excitation
Red	+ Signal
White	- Signal
Blue	+ Sense
Brown	- Sense
Yellow	+ Shield

Full Connectivity

METTLER TOLEDO supplies various data communication interfaces that enable our sensors and instruments to communicate with your PLC, MES, or ERP systems.



OIML Approvals

The MT1260 is provided with C3 approval acc. to OIML R60. Thus best weighing performance is guaranteed at all specified conditions. Benefit from METTLER TOLEDO experience.



Worldwide Services

Our extensive service network is among the best in the world and ensures maximum availability and service life of your product.

Weighing Electronics

METTLER TOLEDO offers a complete family of electronics from simple weighing to application solutions for filling, stock control, batching, formulation, counting, and checkweighing.



Quality certificate ISO 9001
Environment certificate ISO 14001

Subject to technical changes.
© 07/2007 Mettler-Toledo AG
Printed in Switzerland MTSI 44099826
MarCom Industrial

www.mt.com

Visit for more information