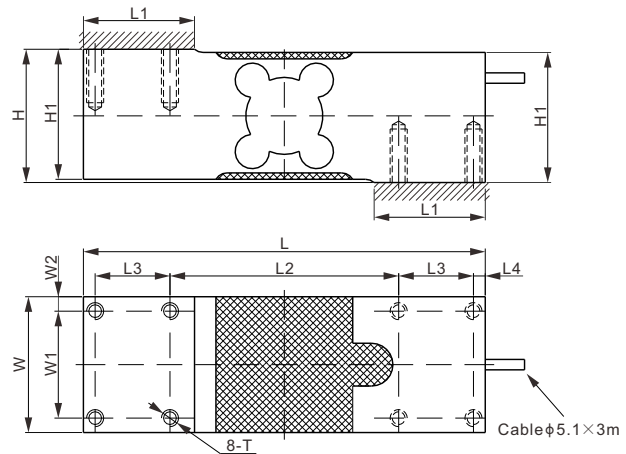


# 108MA; 108MAUN



## Aluminum



### DIMENSIONS

RATED CAPACITY	H	H1	L	L1	L2	L3	L4	W	W1	W2	T
<b>108MAUN, 108MAUN-A1:</b>											
<b>kg/mm</b>											
50-1,000	62.3	60.8	188.0	52.0	107.0	35.0	5.5	63.5	50.0	6.8	5/16-18 UNC-2B Depth20
<b>lb/inches</b> (conversion of above dimensions)											
110.23-2,204.62	2.45	2.39	7.40	2.05	4.21	1.38	0.22	2.50	1.97	0.27	5/16-18 UNC-2B Depth0.8
<b>108MA, 108MA-A1:</b>											
<b>kg/mm</b>											
50-1000	62.3	60.8	188.0	52.0	107.0	35.0	5.5	63.5	50.0	6.8	M8 Depth20
<b>lb/inches</b> (conversion of above dimensions)											
110.23-2,204.62	2.45	2.39	7.40	2.05	4.21	1.38	0.22	2.50	1.97	0.27	M8 Depth0.8

### SPECIFICATIONS

Maximum Capacity (E <sub>max</sub> )	kg	50 / 75 / 100 / 150 / 200 / 250 / 300 / 500 / 635 / 660 / 1000			
Model		108MA/108MAUN		108MA-A1/108MAUN-A1	
Accuracy class according to NTEP Class III S		1:3000		1:4000	
Maximum number or verification interval (n <sub>max</sub> )		3000		4000	
Y		12300			
Temperature effect on zero balance	%*Cn/K	± 0.00114			
Temperature effect on sensitivity	%*Cn/K	± 0.0012		± 0.000875	
Non-linearity	%*Cn	± 0.017		± 0.010	
Hysteresis Error	%*Cn	± 0.017		± 0.012	
Creep error (30min)/DR	%*Cn	± 0.017		± 0.012	
Full Scale Output (C <sub>n</sub> )	mV/V	2 ± 10%			
Zero Balance	mV/V	± 0.02			
Recommended voltage	V	10 (15 Maximum)			
Input Resistance	Ω	415 ± 15			
Output Resistance	Ω	350 ± 3			
Insulation resistance [50V DC]	GΩ	>2			
Safe overload [Elim]	%*E <sub>max</sub>	150			
Breaking overload	%*E <sub>max</sub>	300			
Safe side load	%*E <sub>max</sub>	100			
Nominal temperature range	°C / °F	-10 to 40 / 14 to 104			
Element Material		Aluminum, Clear Anodized			
Seal type / IP rating		Environmentally Sealed / IP66			
Cable color code		Exc+ Red	Exc- Black	Sig+ Green	Sig- White

SINGLE POINTS

### PART NUMBER\*

#### Metric thread, 1:3000 accuracy

Rated Capacity	Part No.	Weight (kg) Approx.
50kg	108MA-50kg	1.9
75kg	108MA-75kg	1.9
100kg	108MA-100kg	1.9
150kg	108MA-150kg	1.9
200kg	108MA-200kg	1.9
250kg	108MA-250kg	1.9
300kg	108MA-300kg	1.9
500kg	108MA-500kg	1.9
635kg	108MA-635kg	1.9
660kg	108MA-660kg	1.9
1000kg	108MA-1000kg	1.9

#### Metric thread, 1:4000 accuracy

Rated Capacity	Part No.	Weight (kg) Approx.
50kg	108MA-50kg-A1	1.9
75kg	108MA-75kg-A1	1.9
100kg	108MA-100kg-A1	1.9
150kg	108MA-150kg-A1	1.9
200kg	108MA-200kg-A1	1.9
250kg	108MA-250kg-A1	1.9
300kg	108MA-300kg-A1	1.9
500kg	108MA-500kg-A1	1.9
635kg	108MA-635kg-A1	1.9
660kg	108MA-660kg-A1	1.9
1000kg	108MA-1000kg-A1	1.9

\* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.

### INTERCHANGEABLE REFERENCE

Manufacturer	Model
<b>108MA</b>	
Mettler-Toledo	MT1260
<b>108MAUN</b>	
Coti Global	CG-50-1
HBM	PW16
Rice Lake	RL26018A
Rice Lake	RLPWW16
Rice Lake	RL1260
Vishay Tedeo-Huntleigh	1260



50kg-500kg: NTEP 1:5 000 Class III, Single Cell;  
635kg-660kg: NTEP 1:4 000 Class III, Single Cell



50kg-500kg: OIML-CS C6, Y=29 000;  
635kg-660kg: OIML-CS C4, Y=4 000

For further definition of P/N's & specifications per NTEP/OIML classes, please contact us.

### PART NUMBER\*

#### Imperial thread, 1:3000 accuracy

Rated Capacity	Part No.	Weight (kg) Approx.
50kg	108MAUN-50kg	1.9
75kg	108MAUN-75kg	1.9
100kg	108MAUN-100kg	1.9
150kg	108MAUN-150kg	1.9
200kg	108MAUN-200kg	1.9
250kg	108MAUN-250kg	1.9
300kg	108MAUN-300kg	1.9
500kg	108MAUN-500kg	1.9
635kg	108MAUN-635kg	1.9
660kg	108MAUN-660kg	1.9
1000kg	108MAUN-1000kg	1.9

#### Imperial thread, 1:4000 accuracy

Rated Capacity	Part No.	Weight (kg) Approx.
50kg	108MAUN-50kg-A1	1.9
75kg	108MAUN-75kg-A1	1.9
100kg	108MAUN-100kg-A1	1.9
150kg	108MAUN-150kg-A1	1.9
200kg	108MAUN-200kg-A1	1.9
250kg	108MAUN-250kg-A1	1.9
300kg	108MAUN-300kg-A1	1.9
500kg	108MAUN-500kg-A1	1.9
635kg	108MAUN-635kg-A1	1.9
660kg	108MAUN-660kg-A1	1.9
1000kg	108MAUN-1000kg-A1	1.9

### AVAILABLE OPTION

- stainless steel version of 108MAUN: 651KS55UN (page 75)

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