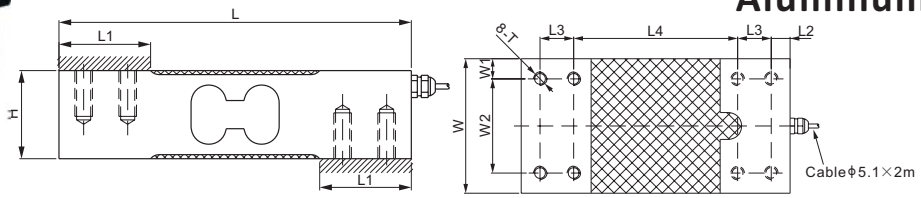
108JA; 108JA-21

Aluminum



RoHS

RATED CAPACITY	DIMENSIONS H	L	L1	L2	L3	L4	W	W1	W2	T
108JA:										
kg/mm										
20–100	25.0	150.0	32.5	6.0	19.0	100.0	45.0	7.5	30.0	M8 Depth15
LE60–LE100; SE150–SE400	40.0	150.0	32.5	6.0	19.0	100.0	45.0	7.5	30.0	M8 Depth20
150–400; SE600	40.0	150.0	38.5	6.0	25.0	88.0	75.0	12.5	50.0	M8 Depth20
500–2,000	50.0	200.0	52.0	14.0	25.0	122.0	100.0	15.0	70.0	M10 Depth23
lb/inches (conversion of above dimensions)										
44.1–220.5	0.98	5.91	1.28	0.24	0.75	3.94	1.77	0.30	1.18	M8 Depth0.59
LE132.3–LE220.5; SE330.7–SE881.8	1.57	5.91	1.28	0.24	0.75	3.94	1.77	0.30	1.18	M8 Depth0.79
330.7–881.8; SE1,322.8	1.57	5.91	1.52	0.24	0.98	3.46	2.95	0.49	1.97	M8 Depth0.79
1,102.3–4,409.2	1.97	7.87	2.05	0.55	0.98	4.80	3.94	0.59	2.76	M10 Depth0.91
108JA-21:										
kg/mm										
30–150	38.0	150.0	44.0	6.3	25.4	86.6	38.0	–	25.4	M6 Depth 15
lb/inches (conversion of above dimensions)										
66.14–330.70	1.50	5.91	1.73	0.25	1.00	3.41	1.50	–	1.00	M6 Depth 0.59

SPECIFICATIONS

Full Scale Output	2.0 mV/V ± 10%	**Reference Max.Platform Size**	108JA: Capacity: 20-100kg: 460×600 mm Capacity: 150-400kg: 600×600 mm Capacity: 500kg-2t: 900×900 mm 108JA-21: 500×500 mm
Zero Balance	±0.02 mV/V		
Non-linearity	<±0.017%		
Repeatability	<±0.017%		
Hysteresis Error	<±0.017%	**Nominal Temperature Range**	-10°C to 40°C / 14°F to 104°F
Creep in 30 min.	<±0.017%;	**Seal Type / IP Rating**	Environmentally Sealed / IP66
Input Resistance	415Ω ± 15	**Cable Color Code**	108JA: Exc+ Red Exc- Black Sig+ Green Sig- White Shield Bare 108JA-21: Exc+ Green Exc- Black Sig+ Red Sig- White Shield Bare
Output Resistance	350Ω ± 3		
Element Material	Aluminum, Clear Anodized		
Recommended Excitation	10V (15V Maximum)		
Safe Overload	150% of full scale		
Breaking Overload	300% of full scale		
Insulation Resistance	>2［50V DC］GΩ		

PART NUMBER*

Rated Capacity	Part No.	Weight Approx. (kg)
20kg	108JA-20kg	0.4
50kg	108JA-50kg	0.5
60kg	108JA-60kg	0.5
LE60kg	108JA-LE60kg	0.7
75kg	108JA-75kg	0.5
LE75kg	108JA-LE75kg	0.7
100kg	108JA-100kg	0.5
LE100kg	108JA-LE100kg	0.7
SE150kg	108JA-SE150kg	0.7
150kg	108JA-150kg	1.1
SE200kg	108JA-SE200kg	0.7
200kg	108JA-200kg	1.1
SE300kg	108JA-SE300kg	0.7
300kg	108JA-300kg	1.1
SE400kg	108JA-SE400kg	0.7
400kg	108JA-400kg	1.1
500kg	108JA-500kg	2.5
SE600kg	108JA-SE600kg	1.1
750kg	108JA-750kg	2.5
1t	108JA-1t	2.5
1.5t	108JA-1.5t	2.5
2t	108JA-2t	2.6

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

PART NUMBER

Rated Capacity	Part No.	Weight (kg) Approx.
30kg	108JA-30kg-21	0.6
50kg	108JA-50kg-21	0.6
75kg	108JA-75kg-21	0.6
100kg	108JA-100kg-21	0.6
150kg	108JA-150kg-21	0.6

INTERCHANGEABLE REFERENCE

Brand	Model
108JA-21	
Vishay-Tedea Huntliegh	1242
Mettler Toledo	MT1241

20kg-500kg: NTEP 1:5 000 Class III, Single Cell;
SE600kg-2t: NTEP 1:4 000 Class III, Single Cell
20kg-30kg: OIML MAA C7.5, Y=20 000;
50kg-500kg: OIML MAA C6, Y=29 000;
SE600kg-2t: OIML MAA C4, Y=4 000
For further available P/N's & specifications per NTEP/OIML classes, please contact us.

SINGLE POINTS

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