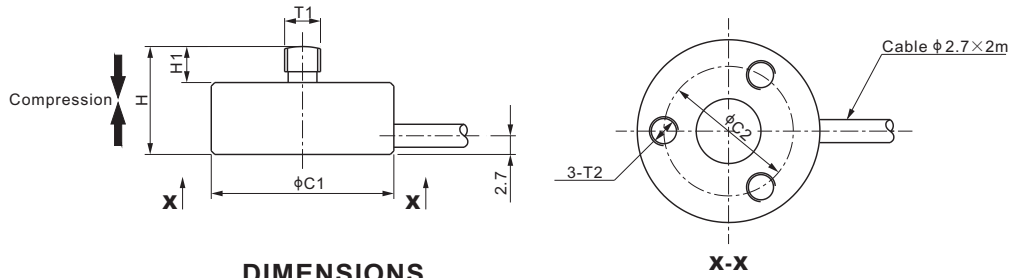


# 247AA; 247AS



## Aluminum / Stainless Steel

FORCE MEASUREMENT



### DIMENSIONS

RATED CAPACITY	C1	C2	H	H1	T1	T2
<b>247AA:</b>						
<b>kg/mm</b>						
1-20	20.0	15.0	11.0	4.0	M3	M3 Depth5.0
<b>lb/inches</b> (conversion of above dimensions)						
2.20-44.09	0.79	0.59	0.43	0.16	M3	M3 Depth0.20
<b>247AS:</b>						
<b>kg/mm</b>						
30-200	20.0	15.0	11.0	4.0	M3	M3 Depth5.0
500-1,000	25.4	18.0	15.0	5.0	M5	M4 Depth7.0
5,000	40.0	32.0	25.0	8.0	M12	M4 Depth6.0
<b>lb/inches</b> (conversion of above dimensions)						
66.14-440.92	0.79	0.59	0.43	0.16	M3	M3 Depth0.20
1,102.3-2,204.6	1.00	0.71	0.59	0.20	M5	M4 Depth0.28
11,023.1	1.57	1.26	0.98	0.31	M12	M4 Depth0.24

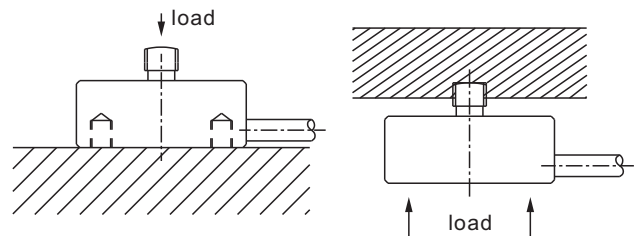
### SPECIFICATIONS

<b>Full Scale Output</b>	Cap. ≤30kg: 1.0 mV/V ± 20%;	<b>Recommended Excitation</b>	10V (15V Maximum)
	Cap. ≥50kg: 1.5 mV/V ± 20%		<b>Insulation Resistance</b>
<b>Zero Balance</b>	± 0.03 mV/V	<b>Nominal Temperature Range</b>	-10°C to 40°C / 14°F to 104°F
<b>Non-linearity</b>	< ± 0.5%	<b>Safe Overload</b>	150% of full scale
<b>Repeatability</b>	< ± 0.3%	<b>Breaking Overload</b>	300% of full scale
<b>Hysteresis Error</b>	< ± 0.5%	<b>Seal Type / IP Rating</b>	Environmentally Sealed / IP66
<b>Creep in 30 min.</b>	< ± 0.5%	<b>Cable Color Code</b>	Exc+ Red      Exc- Black
<b>Input Resistance</b>	375Ω ± 25		Sig+ Green    Sig- White
<b>Output Resistance</b>	350Ω ± 3		Shield Bare
<b>Element Material</b>	Cap. ≤20kg: Aluminum Cap. ≥30kg: 17-4PH Stainless Steel		

### PART NUMBER\*

Rated Capacity	Part No.	Weight Approx. (kg)
1kg	247AA-1kg	0.07
2kg	247AA-2kg	0.07
5kg	247AA-5kg	0.07
10kg	247AA-10kg	0.07
20kg	247AA-20kg	0.07
30kg	247AS-30kg	0.07
50kg	247AS-50kg	0.07
100kg	247AS-100kg	0.07
150kg	247AS-150kg	0.07
200kg	247AS-200kg	0.11
500kg	247AS-500kg	0.11
1t	247AS-1t	0.11
5t	247AS-5t	0.21

### APPLICATION EXAMPLES



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

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