

AS7F single point load cell

Weighing capacities 50 - 300 kg.
Protection class IP65, precision class C3 / C3D.

Made of colorless anodized aluminum alloy.
Application: price computing scales, bench scales, etc.



Properties

- capacities: 50, 60, 100, 200, 250 and 300 kg
- protection class IP65
- precision class C3 / C3D¹
- material: aluminium alloy, colorless anodized
- application: price computing scales, bench scales, etc.
- maximum platform dimensions: 400 x 400 mm

Technical Data

PARAMETER	UNIT	VALUE	
		OIML R60 C3	C3D ¹
Rated capacity (E ^{max})	kg	60, 100, 200, 250, 300	50
Max. platform size	mm	400 x 400	
OIML Accuracy		See table below	
Sensitivity	mV/V	2.00 ± 0.2	
Maximum Number of Intervals		3000	2500
Minimum Y=E ^{max} /V ^{min}		5000 / 6000 / 7500 / 10000 / 15000 ²	5000
Combined error	% FS	± 0.0200	± 0.0280
Minimum dead load	kg	0	
Safe overload	% of E ^{max}	150	
Ultimate overload	% of E ^{max}	300	
Zero balance of FS	%	< ± 2.0	
Nominal excitation	V	5 ~ 12	
Max. excitation	V	18	
Nominal temp. range	°C	-10 to +40	
Service temp. range	°C	-35 to +65	
Input impedance	Ω	406 ± 6	
Output impedance	Ω	350 ± 3	
Insulation resistance	M Ω	≥5000 (50VDC)	
Cable length	Meter	2.0 or 3.0	
Cable type		6x26 AWG, Black PVC Jacket	
Construction		Aluminum Alloy	
Protection class to EN 60529		IP 65	

Type	AS7F-50kg	AS7F-60kg	AS7F-100kg	AS7F-200kg	AS7F-250kg	AS7F-300kg
Capacity	50 kg	60 kg	100 kg	200 kg	250 kg	300 kg
OIML Accuracy	C3D ¹	C3	C3	C3	C3	C3

Note¹: non-OIML Note²: Y value is indicated on the load cell



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