

AS7H single point load cell

Weighing capacities 50 ~ 750 kg.
Protection class IP65, precision class C3.

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

Suitable for weighing platforms with single, central load cell and double loadcell.



Properties

- capacities: 50, 100, 200, 500 and 750 kg
- protection class IP65
- precision class C3
- material: aluminium alloy, colorless anodized
- application: bench scales, floor scales, etc.
- maximum platform dimensions: 600 x 600 mm

Technical Data

PARAMETER	UNIT	VALUE
Rated capacity (E^{\max})	kg	50, 100, 200, 500, 750
Max. platform size	mm	600 x 600
OIML Accuracy		See table below
Sensitivity	mV/V	2.00 ± 0.2
Maximum Number of Intervals		3000
Minimum $Y=E^{\max}/V^{\min}$		10000
Combined error	% FS	± 0.0230
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)
Construction		Aluminum Alloy
Protection class to EN 60529		IP 65

Type	AS7H-50kg	AS7H-100kg	AS7H-200kg	AS7H-500kg	AS7H-750kg
Capacity	50 kg	100 kg	200 kg	500 kg	750 kg
OIML Accuracy	C3				



AS7F single point load cell

Wiring

- Shielded, 6 conductor cable
- Cable diameter: Ø6mm
- Cable length: 3m Shield connected to element
- Cable jacket in PVC

