

Single Point Load Cell model LA490-B

Model LA490-B is a high performance, high capacity single point load cell designed for direct mounting of large weigh platforms. The rugged construction offers high immunity to side forces making it suitable for a wide range of weighing applications, including bench scales, check weighing and process weighing.

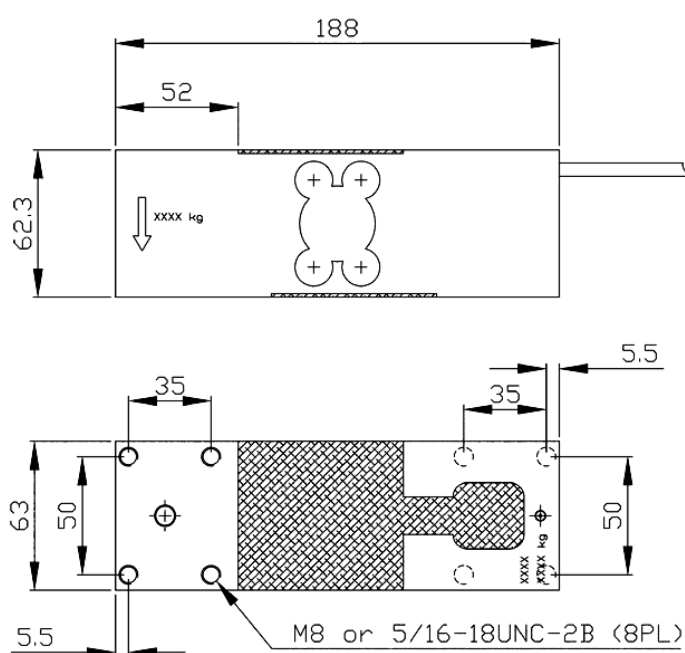
The LA-490B provides scale manufacturers with a high accuracy low cost sensor to meet today's needs.

Properties

- CE-verifiable
- capacities: 50, 75, 100, 150, 200, 250, 500, 635 kg
- version anodised aluminium
- protection class IP 66
- accuracy class C3
- compatible with type 1260
- for weighing platforms up to and included 600 x 600 mm

Technical Data

PARAMETER	UNIT	VALUE
OIML Accuracy		C3
Rated capacity ($E^{\max}$)	kg	50, 75, 100, 150, 200, 250, 500, 635
Sensitivity	mV/V	2.00
Sensitivity tolerance	± mV/V	0.20
Zero balance	± mV/V	0.10
Maximum Number of Intervals		3000
$Y=E^{\max}/V^{\min}$	Minimum	10000
$Z=E^{\max}/(2*DR)$	Minimum	3000
Eccentric loading error	±%/cm	0.0042
Maximum platform size	cm	60×60
Nominal temperature range	°C	-10 to +40
Service temperature range	°C	-30 to +70
Limit load	% of R.C.	150
Break load	% of R.C.	300
Nominal excitation	V	10
Max. excitation	V	15
Input impedance	Ohm	406 ± 15
Output impedance	Ohm	350 ± 3
Insulation resistance	MOhm	>2000
Compensation circuit type		Balanced Bridge
Cable length	Meter	3.0
Cable type		6×26 AWG, Black PVC Jacket
Color code		exc -green, +sense-blue, +sig-red, -sig-white, -sen-brown, -exc-black
Construction		Anodised Aluminum Alloy
Protection class to IEC529		IP 66



Dimensions in mm

Type	LA490-B-50kg	LA490-B-75kg	LA490-B-100kg	LA490-B-150kg	LA490-B-200kg	LA490-B-250kg	LA490-B-500kg	LA490-B-635kg
Capacity	50 kg	75 kg	100 kg	150 kg	200 kg	250 kg	500 kg	635 kg