



- ▶ **Aluminium-Alloy IP65 single point load cell**
- ▶ **Colourless anodized**
- ▶ **Suitable for single or double load cell structured platform scales**
- ▶ **Maximum platform size: 350 x 400 mm**

Capacity	Accuracy	Part-Number
3 kg	C3	AL6N-C3-3kg-3B6
5 kg	C3	AL6N-C3-5kg-3B6
8 kg	C3	AL6N-C3-8kg-3B6
10 kg	C3	AL6N-C3-10kg-3B6
15 kg	C3/C4	AL6N-Cx-15kg-3B6

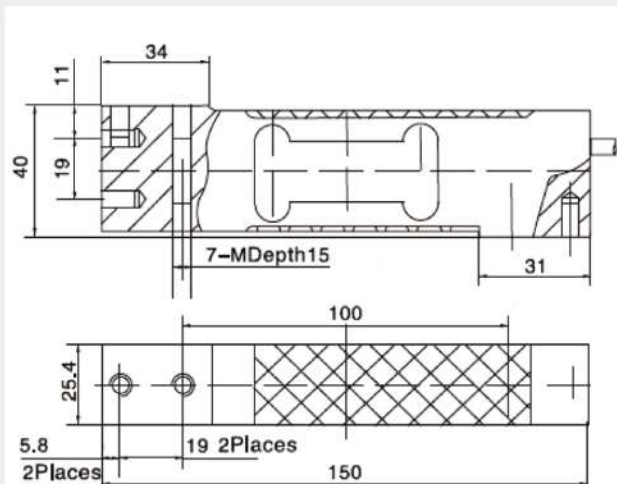
Capacity	Accuracy	Part-Number
20 kg	C3/C4	AL6N-Cx-20kg-3B6
30 kg	C3/C4	AL6N-Cx-30kg-3B6
50 kg	C3/C4	AL6N-Cx-50kg-3B6
75 kg	C3/C4	AL6N-Cx-75kg-3B6
100 kg	C3	AL6N-C3-100kg-3B6

Specification

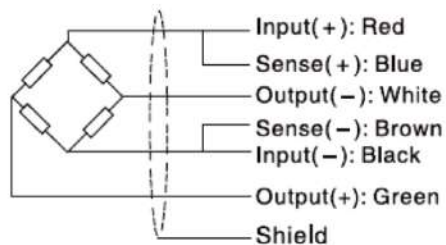
Accuracy class		OIML R60 C3		OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.002		
Maximum capacity (E _{max})	kg	3, 5, 8, 10, 15, 20, 30, 50, 75, 100		15, 20, 30, 50, 75
Maximum number of load cell intervals (n _{LC})		3000		4000
Ratio of minimum LC verification interval $Y = E_{max} / V_{min}$		12000		20000
Minimum Dead Load Output Return (Z = ½ * E _{max} / DR)		4000		
Combined Error	%FS	≤ ± 0.0230		≤ ± 0.0175
Minimum dead load	kg	0		
Safe overload	of E _{max}	150%		
Ultimate overload	of E _{max}	300 %		
Zero balance	of FS	≤ ± 2.0 %		
Excitation, recommended voltage	V	5 ~ 12		
Excitation maximum	V	18		
Terminal resistance, input	Ω	409 ± 6		
Terminal resistance, output	Ω	350 ± 3		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Element material		Aluminium		
Recommended torque on fixation bolts	Nm	10		
Ingress Protection (according to EN 60529)		IP65		



Outline dimensions in mm



Wiring



- Adopt a shielded, 6 conductor cable and cable jacket is PVC
- Cable length: 3.0 +/- 0.05 mm
- Cable diameter: 5.0 +/- 0.02 mm
- Shield is not connected to body