

Type AM-1022 Load Cell



Short Description

- Aluminium-alloy IP65 single point load cell
- Colorless anodized
- Suitable for pricing scales, bench scales, etc.
- Maximum platform size: 250 x 350 mm



Test certificate no. TC7868 Revision 1
C of C no R60/2000-NL1-12.52
Certificate no. 11-012

Available Models

P/N	Capacity	Accuracy	Full Article Description
72208512	3kg	C3/C4/C5	AM-1022-C3/C4/C5-3kg-0.40B
72208514	5kg	C3/C4/C5	AM-1022-C3/C4/C5-5kg-0.40B
72208516	6kg	C3/C4/C5	AM-1022-C3/C4/C5-6kg-0.40B
72208518	7kg	C3/C4/C5	AM-1022-C3/C4/C5-7kg-0.40B
72208520	8kg	C3/C4/C5	AM-1022-C3/C4/C5-8kg-0.40B
72208522	10kg	C3/C4/C5	AM-1022-C3/C4/C5-10kg-0.40B
72208524	15kg	C3/C4/C5	AM-1022-C3/C4/C5-15kg-0.40B
72208526	20kg	C3/C4/C5	AM-1022-C3/C4/C5-20kg-0.40B
72208528	30kg	C3/C4/C5	AM-1022-C3/C4/C5-30kg-0.40B
72208530	35kg	C3/C4/C5	AM-1022-C3/C4/C5-35kg-0.40B
72208532	40kg	C3/C4/C5	AM-1022-C3/C4/C5-40kg-0.40B
72208534	50kg	C3/C4/C5	AM-1022-C3/C4/C5-50kg-0.40B
72208536	60kg	C3/C4/C5	AM-1022-C3/C4/C5-60kg-0.40B
72208538	100kg	C3/C4/C5	AM-1022-C3/C4/C5-100kg-0.40B
72208540	120kg	C3/C4/C5	AM-1022-C3/C4/C5-120kg-0.40B



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Technical Specifications AM-1022

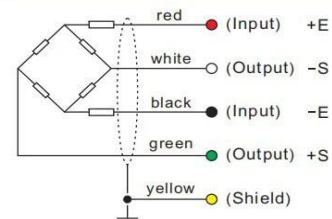
Accuracy Class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum Capacity (Emax)	kg	3, 5, 6, 7,8, 10, 15, 20, 30, 35, 40, 50,60,100,120		
Max. Number of Load Cell Intervals	nLc	3000	4000	5000
Ratio of min. LC Verification Interval	Y = Emax / vmin	10000	15000	20000
Combined Error	%FS	≤± 0.020	≤± 0.015	≤± 0.010
Creep Error (30 minutes)	%FS	≤± 0.0245	≤± 0.0184	≤± 0.0147
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.014	≤± 0.012	≤± 0.009
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.0175	≤± 0.0131	≤± 0.0105
Zero Balance	%FS	≤± 2.0		
Safe Overload	%FS	120		
Ultimate Overload	%FS	150		
Maximum Deflection	mm	3kg:0.5~0.6	5-50kg:0.6~0.7	50-120kg:0.6~0.8
Eccentric Loading Error	%Ld/cm	± 0.002		
Excitation, Recommended Voltage	V	5 ~ 12		
Excitation, Maximum Voltage	V	18		
Input Resistance	Ω	406 ± 6		
Output Resistance	Ω	350 ± 3		
Insulation Resistance (50V)	MΩ	≥5000		
Compensated Temperature	°C	-10 ~ + 40		
Operating Temperature	°C	-35 ~ + 65		
Storage Temperature	°C	-40 ~ + 70		
Load Cell Weight	kg	~0.25		
Element Material		Aluminium		
Ingress Protection (acc. to EN 60529)		IP65		
Recommended Torque on Fixation Bolts	Nm	< 30kg: 6 >30kg: 10		

Wiring

Features:

Cable type: Shielded, 4 conductor cable , conductor AWG 26
 Cable diameter: Ø 3.8mm
 Cable length: L = 0.40m ± 0.035m, L1 =0.05 ± 0.005m
 Cable jacket: PVC
 Shield not connected to element

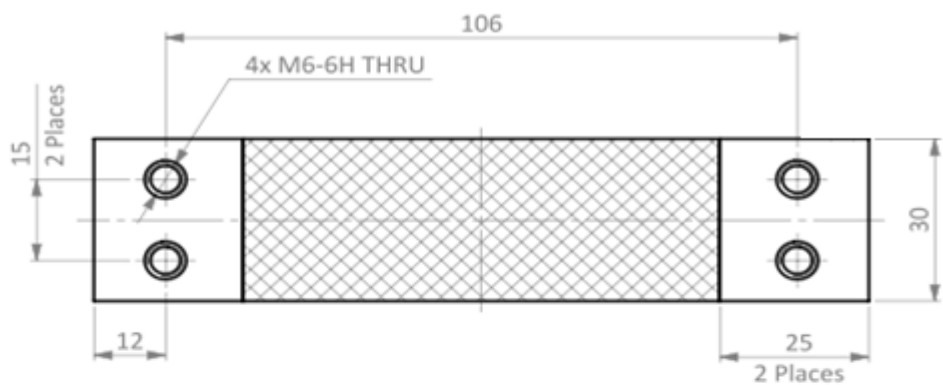
Mode of Connection



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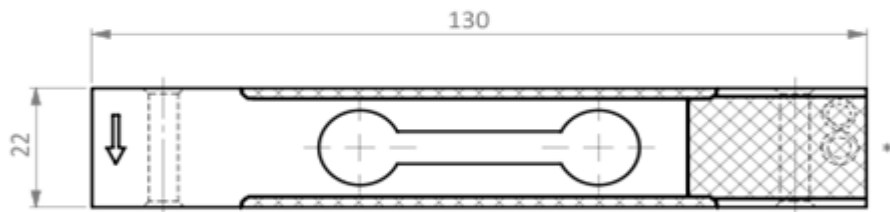
Dimensions in mm

Top View



Note: Screws M6 class 8.8, screw rinsed with oil. Torque as in specifications table.

Front View



Side View



Isometric View

