Type 1V3-350Z Miniature Sensor

Short Description

- Aluminium bending miniature sensor

- High accuracy

- Suitable for platform scales

Available Models

Capacity	Accuracy	Full Article Description
5kg	0.03%	1V3-350Z-5kg
10kg	0.03%	1V3-350Z-10kg
25kg	0.03%	1V3-350Z-25kg

Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

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Type 1V3-350Z Miniature Sensor

Technical Specifications 1V3-350Z

Accuracy Class		0.03%	
Output Sensitivity (= FS)	mV/V	1.6 ± 0.1	2.0 ± 0.2
Maximum Capacity (E_{max})	kg	5	10, 25
Combined Error	%FS	≤± 0.03	
Creep Error (5 minutes)	%FS	≤± 0.03	
Non-Linearity	%FS	±0.03	
Repeatability	%FS	±0.03	
Hysteresis	%FS	±0.03	
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.5	
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.03	
Zero Balance	mV/V	≤± 0.03	
Safe Overload	%FS	150	
Ultimate Overload	%FS	300	
Maximum Deflection	mm	5kg= 0.20~0.34 10kg=0.3~0.34 25kg=0.35~0.4	
Eccentric Loading Error	%Ld/cm	± 0.01	
Excitation, Recommended Voltage	V	5 ~ 9	
Excitation, Maximum Voltage	V	10	
Input Resistance	Ω	370 ± 20	
Output Resistance	Ω	350 ± 5	
Insulation Resistance (50V)	MΩ	≥2000	
Operating Temperature	°C	-10 ~ + 40	
Element Material		Aluminium	
Ingress Protection (acc. to EN 60529)		IP65	
Recommended Torque on Fixation Bolts	Nm	M5: 6	

Wiring

Features:

Cable type: 4 separate conductor cable , conductor AWG 26
Cable diameter: Ø 1.2mm
Cable length: 0.25m ± 0.01m
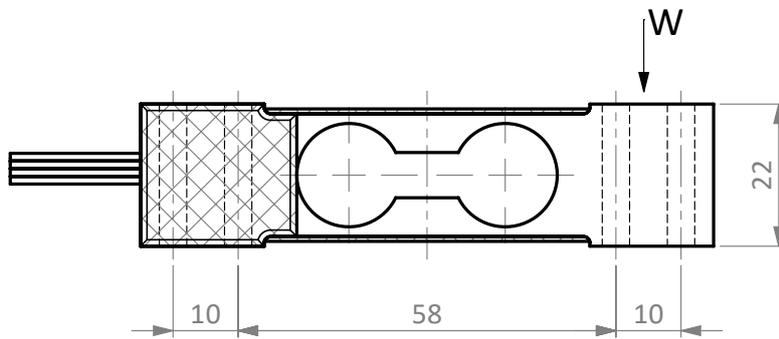Cable jacket: PVC

4-Wire Connection Diagram

Input(+)   **Red**

Output(-)   White

Input (-)   **Black**

Output(+)   **Green**
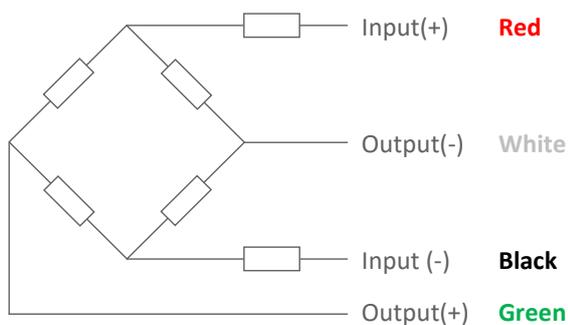
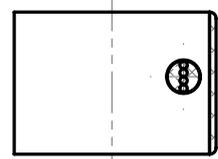We believe we make you stronger!
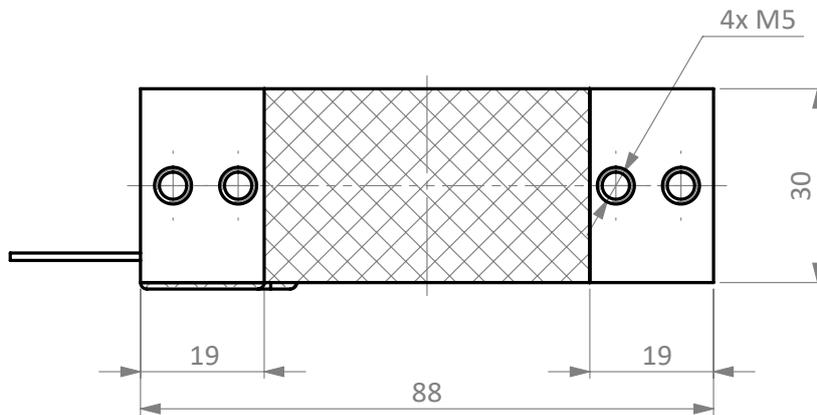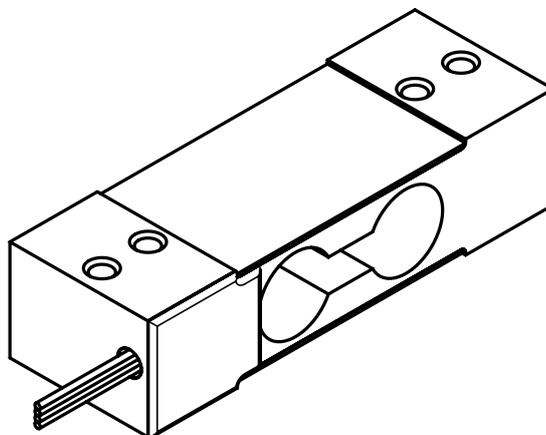
Dimensions in mm

Front View

Side View

Top View

Isometric View

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