Type 1X1 Miniature Sensor

IP65 CE RoHS Compliant

Short Description

- Aluminium bending miniature sensor
- High accuracy
- Used for small scales

Available Models

Capacity	Accuracy	Full Article Description
300g	0.03%	1X1-52*10*10-300g
500g	0.03%	1X1-52*10*10-500g
600g	0.03%	1X1-52*10*10-600g

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

Nr. 2022.09 1X1 Rev1

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Technical Specifications 1X1

Accuracy Class	%FS	0.03
Output Sensitivity (= FS)	mV/V	1.0 ± 0.1
Maximum Capacity (E$_{max}$)	g	300, 500, 600
Combined Error	%FS	≤± 0.03
Creep Error (3 minutes)	%FS	≤± 0.03
Non-linearity	%FS	±0.02
Repeatability	%FS	±0.02
Hysteresis	%FS	±0.03
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 1.0
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.05
Zero Output	mV/V	≤± 0.1
Safe Overload	%FS	120
Ultimate Overload	%FS	150
Maximum Deflection	mm	0.11
Excitation, Recommended Voltage	V	5 ~ 9
Excitation, Maximum Voltage	V	10
Input Resistance	Ω	1055 ± 10
Output Resistance	Ω	1000 ± 10
Insulation Resistance (@50V)	MΩ	≥2000
Operating Temperature	°C	-10 ~ + 40
Storage Temperature	°C	-20 ~ + 65
Load Cell Weight	kg	0.012
Element Material		Aluminium
Ingress Protection (acc. to EN 60529)		IP65
Recommended Torque on Fixation Bolts	Nm	M3: 0.99

Wiring

Features:

Cable type: 4 separate conductor cable , conductor AWG 30
Cable diameter: N/A
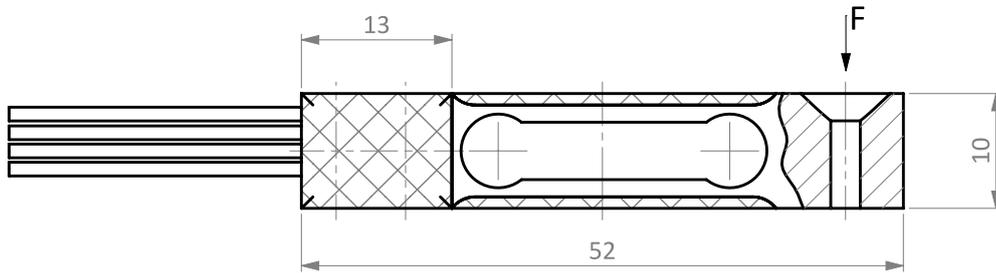Cable length: 0.07m
Cable jacket: PVC

4-Wire Connection Diagram

Input(+)   **Red**

Output(-)   **White**

Input (-)   **Black**

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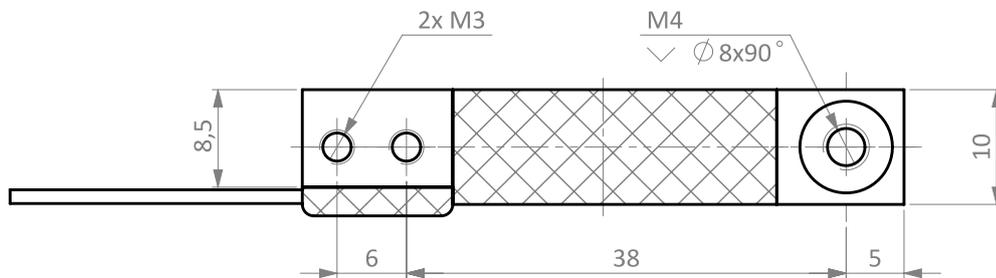
We believe we make you stronger!
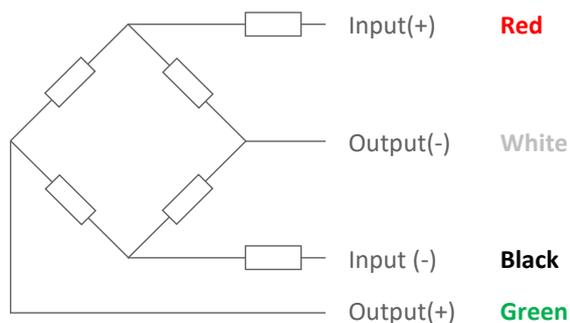
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Dimensions in mm

Front View

Top View

Isometric View

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