Type 2A Miniature Sensor

Short Description

- Stainless steel bending miniature sensor

- High accuracy

- Used for fishing scales

Available Models

Capacity	Accuracy	Full Article Description
15Lb	0.1%	2A-S-15Lb
50Lb	0.1%	2A-S-50Lb

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Technical Specifications 2A

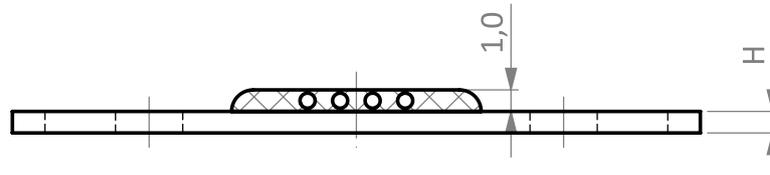|			
Accuracy Class		0.1%	
Output Sensitivity (= FS)	mV/V	1.5 ± 0.15	
Maximum Capacity (E$_{max}$)	Lb	15, 50	
Combined Error	%FS	≤± 0.1	
Creep Error (5 minutes)	%FS	≤± 0.1	
Non-Linearity	%FS	±0.1	
Repeatability	%FS	±0.1	
Hysteresis	%FS	±0.1	
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.3	
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.3	
Zero Balance	mV/V	≤± 1.0	
Safe Overload	%FS	150	
Ultimate Overload	%FS	300	
Maximum Deflection	mm	15 Lb: 0.13	50 Lb: 0.10
Excitation, Recommended Voltage	V	2 ~ 5	
Excitation, Maximum Voltage	V	6	
Input Resistance	Ω	350 ± 50	
Output Resistance	Ω	350 ± 50	
Insulation Resistance (50V)	MΩ	≥2000	
Operating Temperature	°C	-10 ~ + 40	
Storage Temperature	°C	-20 ~ + 65	
Load Cell Weight	kg	~0.002	
Element Material		Stainless steel	
Ingress Protection (acc. to EN 60529)		IP65	
Recommended Torque on Fixation Bolts	Nm	M3: 1.3	

Wiring

Features:

Cable type: 4 separate conductor cable , conductor AWG 30
Cable diameter: Ø 0.7mm
Cable length: L= 0.15m ± 0.05m
Cable jacket: PVC
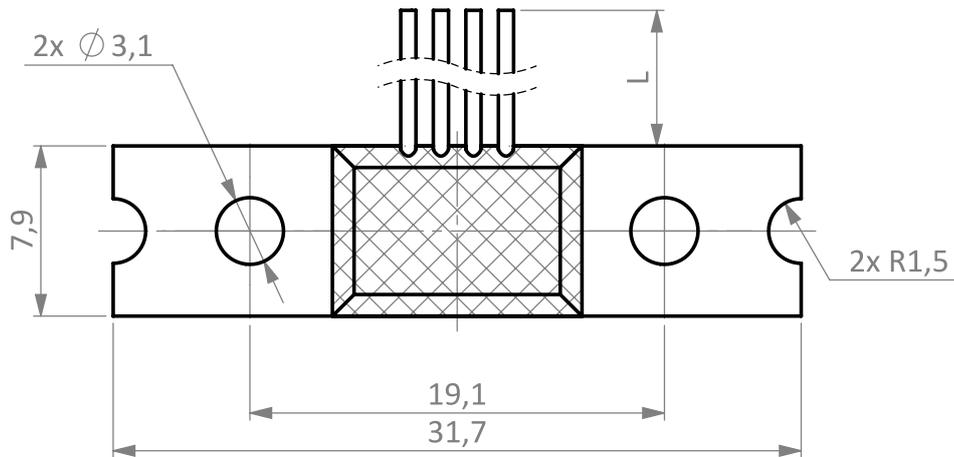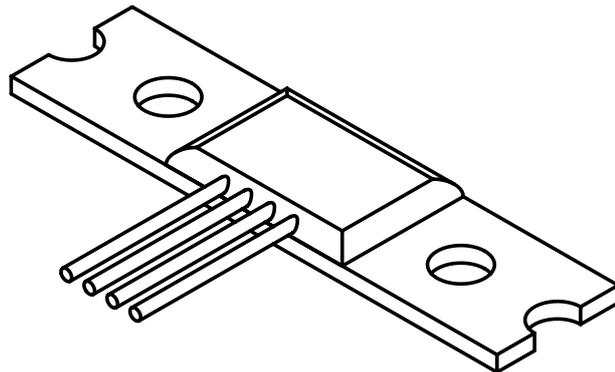
4-Wire Connection Diagram

Input(+)   **Red**

Output(-)   White

Input (-)   **Yellow**

Output(+)   **Blue**

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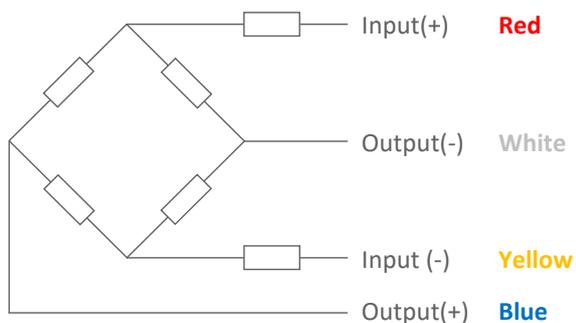
Dimensions in mm

Front View

Top View

2x ⌀ 3,1

7,9

2x R1,5

19,1

31,7

L

Side View

Isometric View

Dimension Capacity	H
15Lb	1.0
50Lb	1.8

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