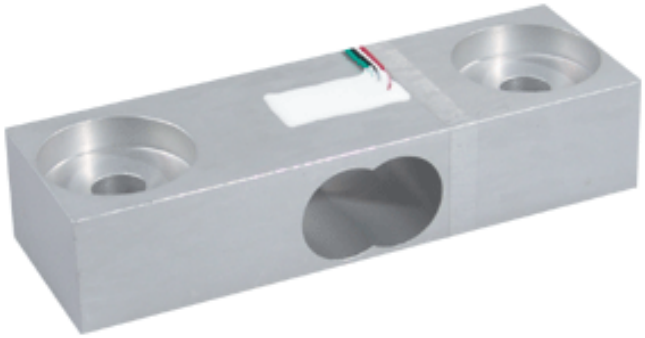
Type 1T-JS Miniature Sensor



Short Description

- Aluminium bending miniature sensor
- High accuracy
- Suitable for personal scales

Available Models

Capacity	Accuracy	Full Article Description
150kg	0.03%	1T-JS-150kg

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

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Technical Specifications 1T-JS

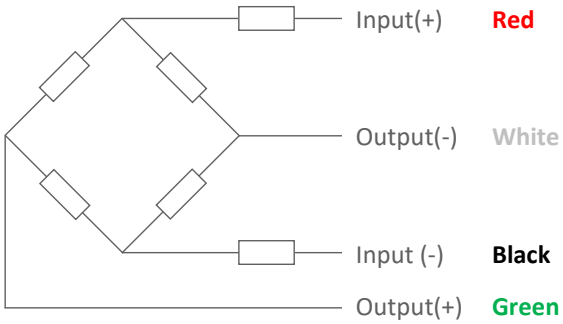
Accuracy Class		0.03%
Output Sensitivity (= FS)	mV/V	2.0 ± 0.15
Maximum Capacity (E_{max})	kg	150
Combined Error	%FS	≤± 0.03
Creep Error (5 minutes)	%FS	≤± 0.03
Non-Linearity	%FS	±0.03
Repeatability	%FS	±0.03
Hysteresis	%FS	±0.03
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.2
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.1
Zero Balance	mV/V	≤± 1.0
Safe Overload	%FS	150
Ultimate Overload	%FS	200
Maximum Deflection	mm	~0.30
Eccentric Loading Error	%Ld/cm	± 0.01
Excitation, Recommended Voltage	V	5 ~ 9
Excitation, Maximum Voltage	V	10
Input Resistance	Ω	1150 ± 150
Output Resistance	Ω	1150 ± 150
Insulation Resistance (50V)	MΩ	≥2000
Operating Temperature	°C	-10 ~ + 40
Element Material		Aluminium
Ingress Protection (acc. to EN 60529)		IP65

Wiring

Features:

Cable type: 4 separate conductor cable , conductor AWG 30
Cable diameter: Ø 0.9mm
Cable length: 0.25m ± 0.01m
Cable jacket: PVC

4-Wire Connection Diagram



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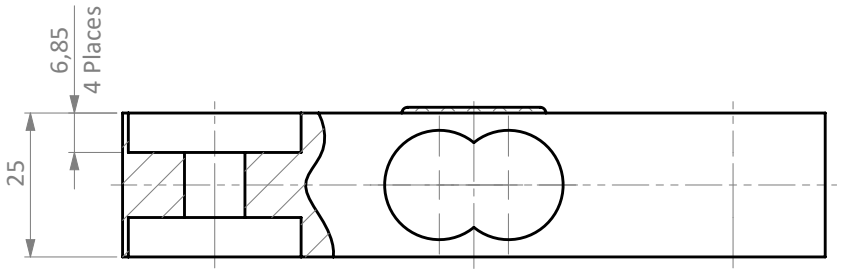
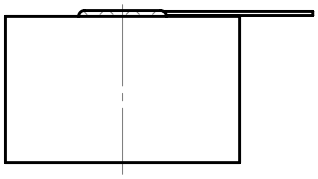
Dimensions in mm

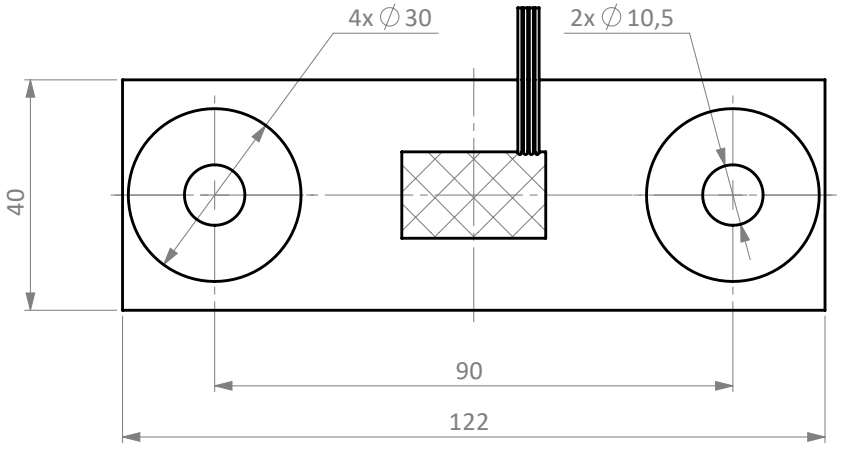
Front View



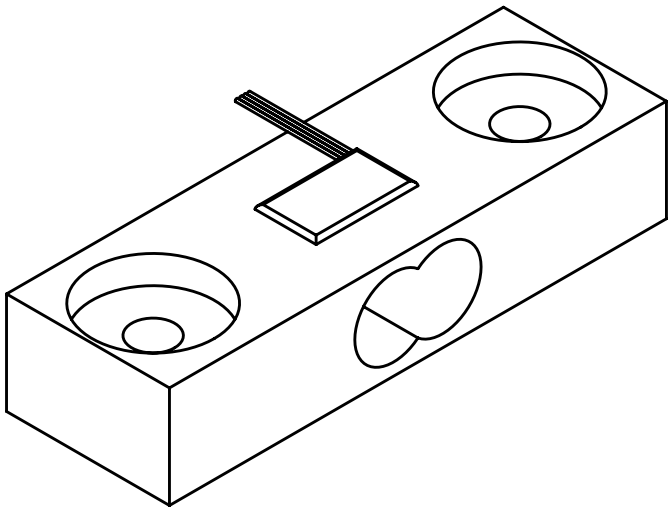
Side View



Top View



Isometric View



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