

## Short Description



- Aluminium bending miniature sensor
- High accuracy
- Suitable for kitchen scales
- Recommended maximum platform size: 120 × 150mm

## Available Models

Capacity	Accuracy	Full Article Description
5kg	0.03%	1F6-SG-75*12.7*12.7-5kg

## Technical Specifications 1F6-SG

Accuracy Class		0.03%
Output Sensitivity ( = FS )	mV/V	1.5 ± 0.15
Maximum Capacity ( E <sub>max</sub> )	kg	5
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	≤± 0.3
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.07
Zero Balance	mV/V	≤± 0.1
Safe Overload	%FS	120
Ultimate Overload	%FS	150
Maximum Deflection	mm	~0.38
Eccentric Loading Error	%Ld/100mm	± 0.02
Recommended Maximum Platform Size	mm	120 × 150
Excitation, Recommended Voltage	V <sub>DC</sub>	5 ~ 10
Excitation, Maximum Voltage	V <sub>DC</sub>	12
Input Resistance	Ω	1055 ± 10
Output Resistance	Ω	1000 ± 10
Insulation Resistance (50V <sub>DC</sub> )	MΩ	≥2000
Compensated Temperature	°C	-10 ~ +40
Operating Temperature	°C	-35 ~ +65
Sensor Weight	g	~27
Element Material		Aluminium
Ingress Protection (acc. to EN 60529)		IP65
Recommended Torque on Fixation Bolts	Nm	M4: 1

## Wiring

### Features:

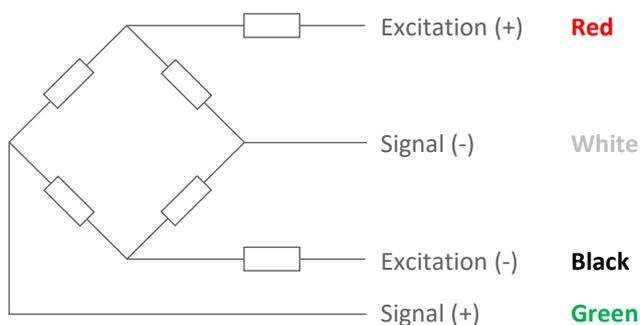
Cable type: 4 separate conductor cable , conductor AWG 30

Cable diameter: Ø 0.9mm (per conductor)

Cable length: 0.15m ± 0.005m

Cable jacket: PVC

### 4-Wire Connection Diagram

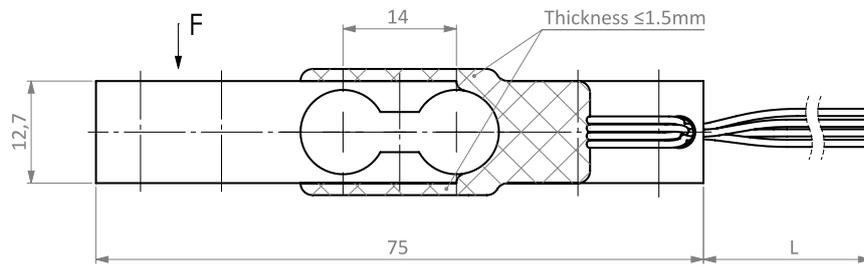


Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

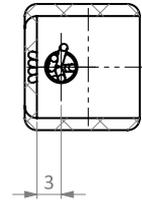
# Type 1F6-SG Miniature Sensor

## Dimensions in mm

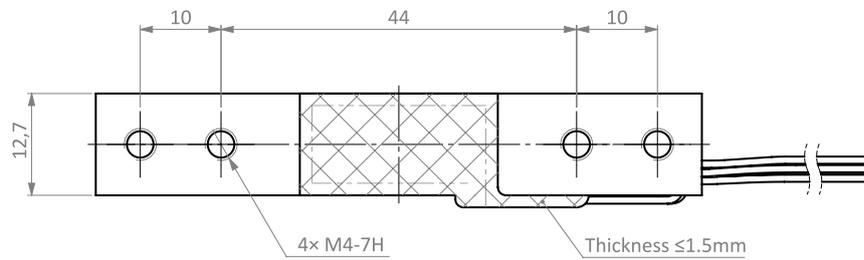
### Front View



### Side View



### Top View



### Isometric View

