

## Short Description



- Aluminium bending miniature sensor
- High accuracy
- Suitable for kitchen and postage scales

## Available Models

Capacity	Accuracy	Full Article Description
0.5kg	0.02%	1HM-80*12.7-12.7-0.5kg
1kg	0.02%	1HM-80*12.7*12.7-1kg
5kg	0.02%	1HM-80*12.7*12.7-5kg
8kg	0.02%	1HM-80*12.7*12.7-8kg
20kg	0.02%	1HM-80*12.7*12.7-20kg

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

## Technical Specifications 1HM

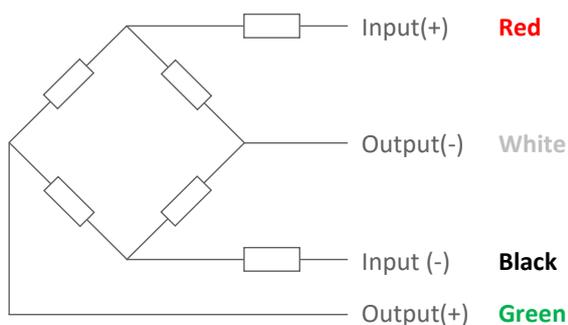
Accuracy Class	%FS	0.02	
Output Sensitivity ( = FS )	mV/V	1.0 ± 0.15	1.5 ± 0.1
Maximum Capacity ( E <sub>max</sub> )	kg	0.5, 1	5, 8, 20
Creep Error (5 minutes)	%FS	≤± 0.02	
Non-Linearity	%FS	≤± 0.02	
Repeatability	%FS	≤± 0.02	
Hysteresis	%FS	≤± 0.02	
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.2	
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.03	
Zero Output	mV/V	≤± 0.1	
Safe Overload	%FS	150	
Ultimate Overload	%FS	300	
Maximum Deflection	mm	~0.32 – 0.43	
Eccentric Loading Error	%Ld/cm	± 0.01	
Excitation, Recommended Voltage	V	5 ~ 9	
Excitation, Maximum Voltage	V	10	
Input Resistance	Ω	1055 ± 10	
Output Resistance	Ω	1000 ± 10	
Insulation Resistance (@50VDC)	MΩ	≥2000	
Operating Temperature	°C	-10 ~ + 40	
Storage Temperature	°C	-20 ~ + 65	
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 30  
 Cable diameter: Ø 0.9mm  
 Cable length: 0.25m ± 0.01m  
 Cable jacket: PVC

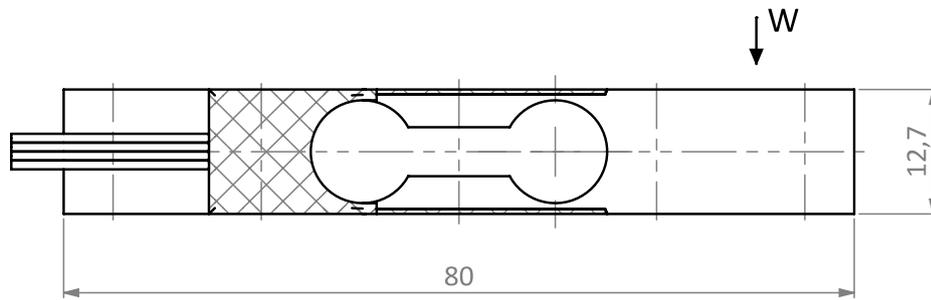
### 4-Wire Connection Diagram



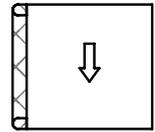
# Type 1HM Miniature Sensor

## Dimensions in mm

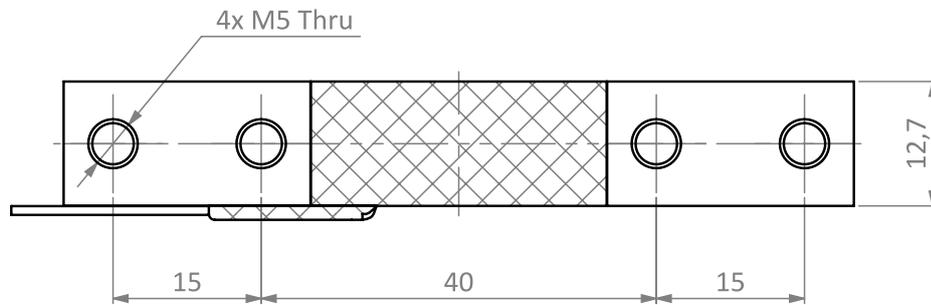
Front View



Side View



Top View



Isometric View

