



Short Description



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

Available Models

Capacity	Accuracy	Full Article Description
300g	0.05%	Q47-20*6.6-300g
500g	0.05%	Q47-20*6.6-500g
1000g	0.05%	Q47-20*6.6-1000g

Technical Specifications Q47

Accuracy Class		0.05%
Output Sensitivity (= FS)	mV/V	0.9 ± 0.18
Maximum Capacity (E _{max})	g	300, 500, 1000
Combined Error	%FS	≤± 0.05
Creep Error (3 minutes)	%FS	≤± 0.05
Non-Linearity	%FS	±0.05
Repeatability	%FS	±0.05
Hysteresis	%FS	±0.05
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 2.0
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.05
Zero Balance	mV/V	≤± 0.5
Safe Overload	%FS	120
Ultimate Overload	%FS	150
Maximum Deflection	mm	0.10 ~ 0.15
Excitation, Recommended Voltage	V _{DC}	2 ~ 5
Excitation, Maximum Voltage	V _{DC}	6
Input Resistance	Ω	1055 ± 10
Output Resistance	Ω	1000 ± 10
Insulation Resistance (50V _{DC})	MΩ	≥2000
Operating Temperature	°C	-10 ~ + 40
Storage Temperature	°C	-20 ~ + 65
Sensor Weight	g	20
Element Material		Aluminium
Ingress Protection (acc. to EN 60529)		IP65
Recommended Torque on Fixation Bolts	Nm	M3: 1.4

Wiring

Features:

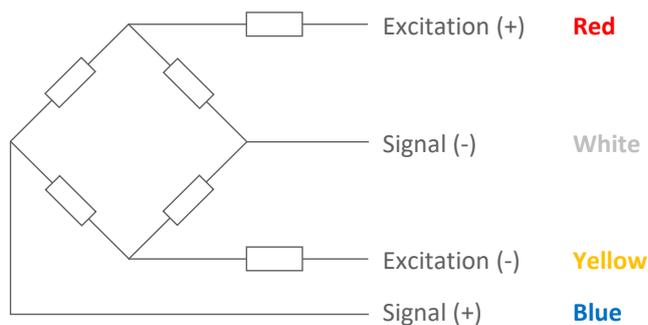
Cable type: 4-conductor dispersion cable , conductor AWG 32

Cable diameter: Ø 0.8mm (per conductor)

Cable length: L = 0.09m ± 0.01m

Cable jacket: PVC

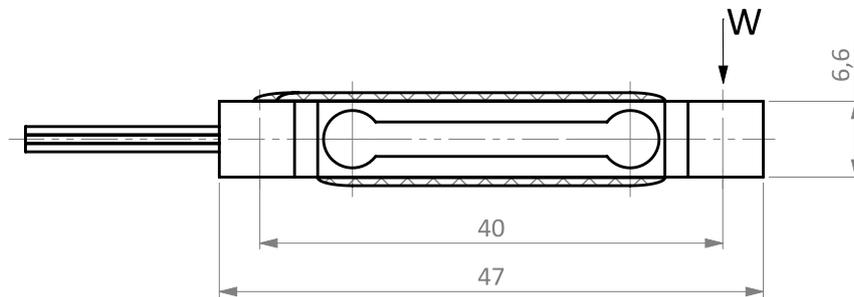
4-Wire Connection Diagram



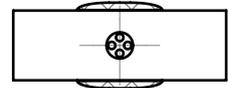
Type Q47 Miniature Sensor

Dimensions in mm

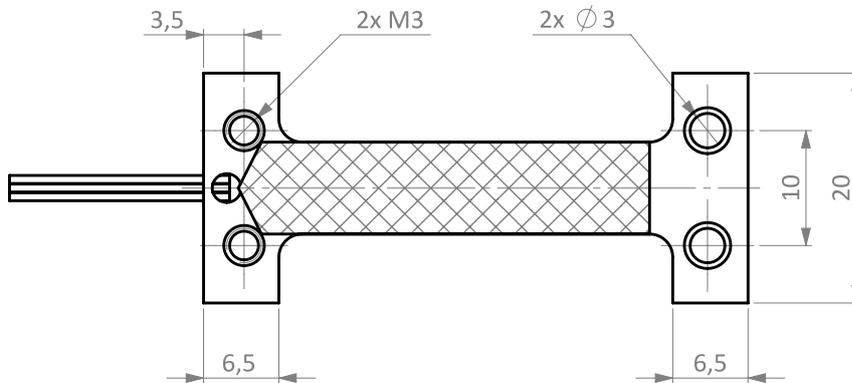
Front View



Side View



Top View



Isometric View

