

Short Description



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

Available Models

Capacity	Accuracy	Full Article Description
150g	0.05%	Q45*6*6-7.5G-150g
200g	0.05%	Q45*6*6-7.5G-200g
300g	0.05%	Q45*8*6-7.5G-300g
500g	0.05%	Q45*10*6-7.5G-500g
750g	0.05%	Q45*10*6-7.5G-750g

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

Technical Specifications Q45

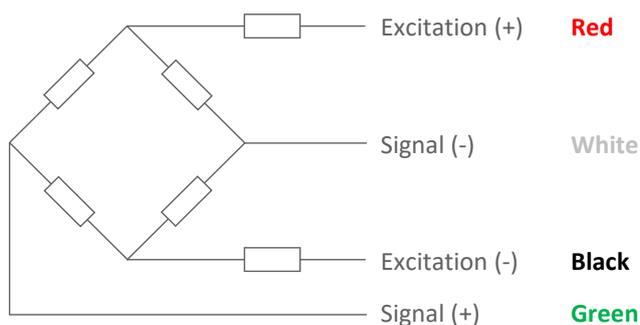
Accuracy Class		0.05%		
Output Sensitivity (= FS)	mV/V	0.7 ± 0.14	0.6 ± 0.12	0.6 ± 0.12
Maximum Capacity (E _{max})	g	150, 200	300	500, 750
Combined Error	%FS	≤± 0.05		
Creep Error (3 minutes)	%FS	≤± 0.05		
Non-Linearity	%FS	±0.05		
Repeatability	%FS	±0.05		
Hysteresis	%FS	±0.05		
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 2.0		
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.05		
Zero Balance	mV/V	≤± 0.1		
Safe Overload	%FS	120		
Ultimate Overload	%FS	150		
Maximum Deflection	mm	0.04 ~ 0.07		
Excitation, Recommended Voltage	V _{DC}	2 ~ 6		
Excitation, Maximum Voltage	V _{DC}	10		
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		
Load Cell Weight	g	<10		
Element Material		Aluminium		
Ingress Protection (acc. to EN 60529)		IP65		
Recommended Torque on Fixation Bolts	Nm	M3: 4		

Wiring

Features:

Cable type: 4 separate conductor cable , conductor AWG 30
 Cable diameter: Ø 0.7mm
 Cable length: L= 0.25m
 Cable jacket: PVC

4-Wire Connection Diagram

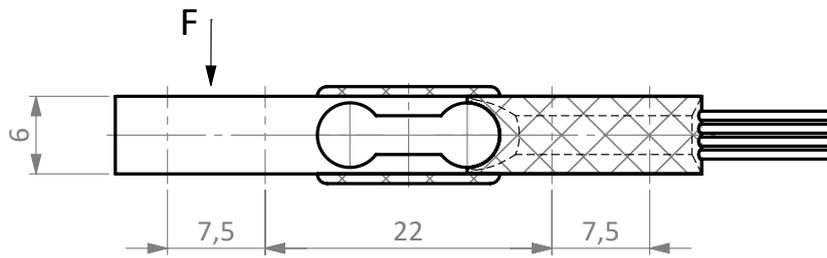


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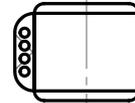
Type Q45 Miniature Sensor

Dimensions in mm

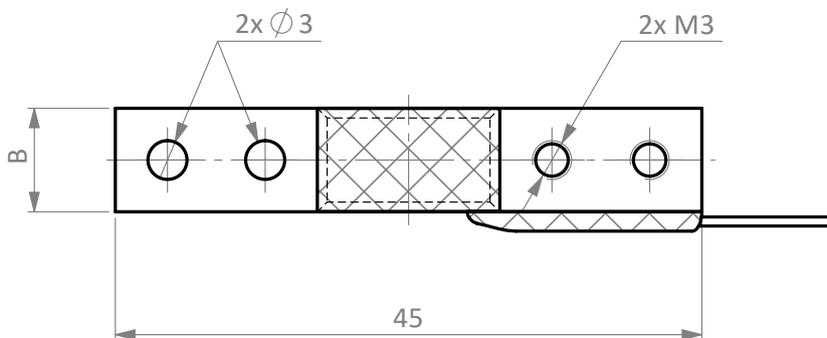
Front View



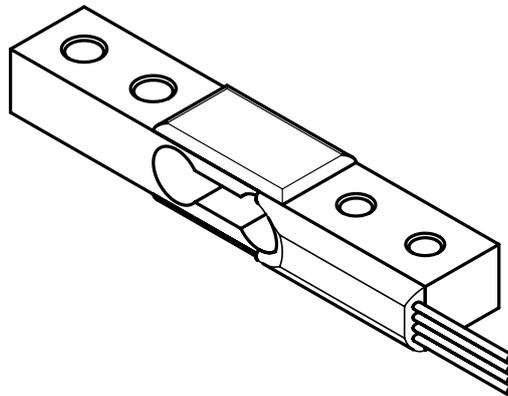
Side View



Top View



Isometric View



Dimension Capacity	B
150g, 200g	6
300g	8
500g, 750g	10

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