

Type Q70 Miniature Sensor



Short description



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

Available models

Capacity	Accuracy	Full article description
20g	0.05%	Q70*5*9-H-20g
30g	0.05%	Q70*5*9-H-30g
50g	0.05%	Q70*5*9-H-50g
100g	0.05%	Q70*5*9-H-100g
200g	0.05%	Q70*5*9-H-200g

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

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Detailed specifications Q70

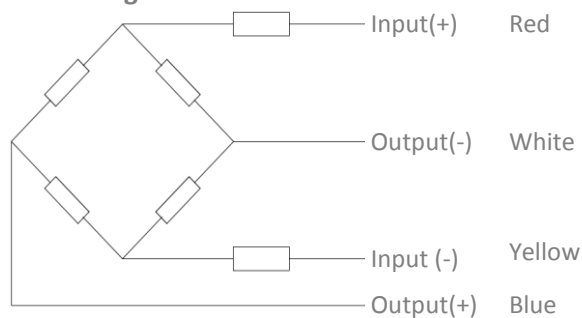
Accuracy class	of FS	0.05%
Output sensitivity (= FS)	mV/V	0.5±0.15
Maximum capacity (E _{max})	g	20, 30, 50, 100, 200
Temperature effect on zero	%FS/10°C	±2.0
Temperature effect on Sensitivity	%FS/10°C	±0.05
Minimum dead load	of E _{max}	0%
Safe overload	of E _{max}	150 %
Ultimate overload	of E _{max}	300%
Zero output	mV/V	≤ ± 0.5
Excitation, recommended voltage	V	2 ~ 5
Excitation maximum	V	6
Input resistance	Ω	1055 ± 10
Output resistance	Ω	1000 ± 10
Insulation resistance	MΩ	≥2000 (at 50VDC)
Compensated temperature	°C	-10 ~ +40
Operating temperature	°C	-10 ~ +40
Storage temperature	°C	-20 ~ +65
Element material		Aluminium
Creep	%FS/3 min	±0.05
Non-linearity	%FS	±0.05
Repeatability	%FS	±0.05
Hysteresis	%FS	±0.05

Wiring

Wiring:

4 separate conductor cables.
Standard cables length: 0.25m.

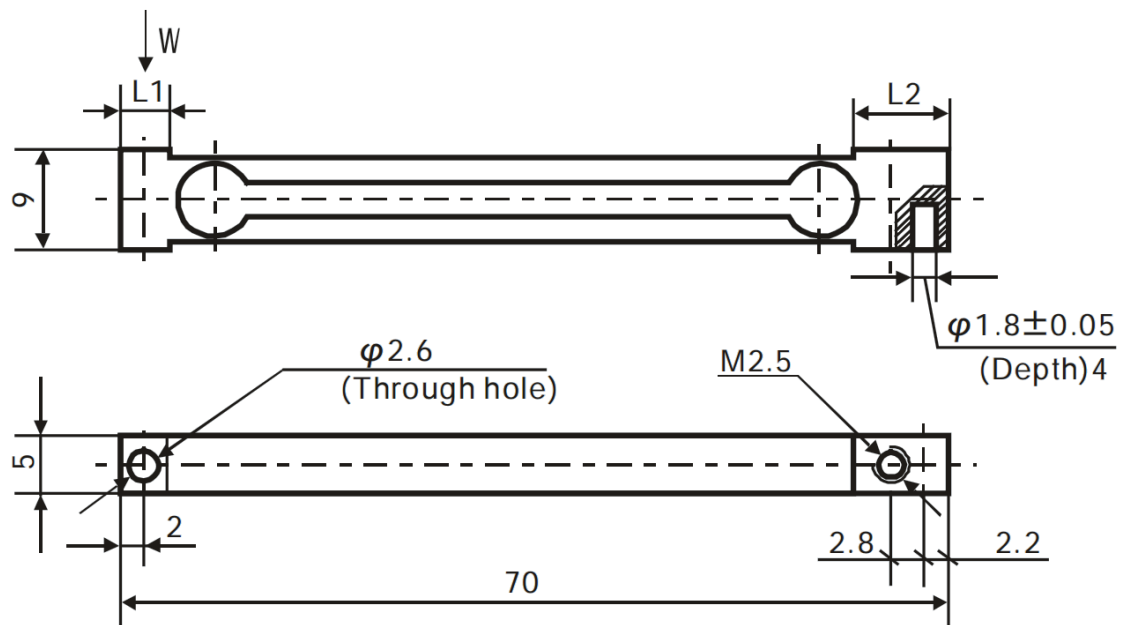
4-wire diagram



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Dimensions in mm



Dimension Capacity	L1	L2
20g, 30g, 50g, 100g	4	8
200g	8	10

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