OFF CENTER LOAD CELL TYPE SUP91

Applications:

Off centre load cell type SUP91 can be used in small and medium capacity weighing systems.

Some applications are:

- Small weighing platforms
- Industrial weighing system

Main features:

- Universal use
- Aluminium construction
- Independent from centre of load application
- Platform size 350X450 mm
- Atex certificate

Nominal load:

Kg 20-30-50-60-100-120-150-200-250-300-350

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Specification according to VDI/VDE 2637

Metrological Characteristics	Par.	Un.	
Nominal Load	Ln	Kg	20÷350
Initial Load	Lp	%Ln	20
Maximum Load	Ll	%Ln	150
Linearity	Flin	±%Ln	0,02
Hysteresis	Fu	±%Ln	0,02
Repeatibility	Fv	±%Ln	0,02
Creep (in 30')	Fcr	±%Ln	0,03
Nominal Temperature Range	Btn	°C	-10+40
Zero Temperature Drift (10÷60°C, over 10°C)	TKo	±%Cn	0,025
Output Temperature Drift (10÷60°C, over 10°C)	TKC	±%Cn	0,025
Thermal Gradient		K/h	<5

Electrical Data			
Nominal Output	Cn	mV/V	2
Nominal Output Tolerance	Dc	±%Cn	10
Nominal Supply Voltage	Bsu	V	1÷10
Maximum Supply Voltage	Usmax	V	15
Input Resistance	Re	Ω	410±10%
Output Resistance	Ra	Ω	350±3%
Insulation Resistance @20V	Ris	MΩ	>2000
Zero balance	Do	±%Cn	±2

Mechanical Data			
Breaking Load	Ld	%Ln	200
Maximum Side Load	Llq	%Ln	100
Deflection	hn	mm	<1
Cable Lenght		mm	2000
Weight		Kg	0,2

Environmental Conditions			
Working Temperature Range	Btn	°C	-20+60
Storage Temperature Range	Bts	°C	-20+60
Housing Protection			IP -65

Subject to change without notice

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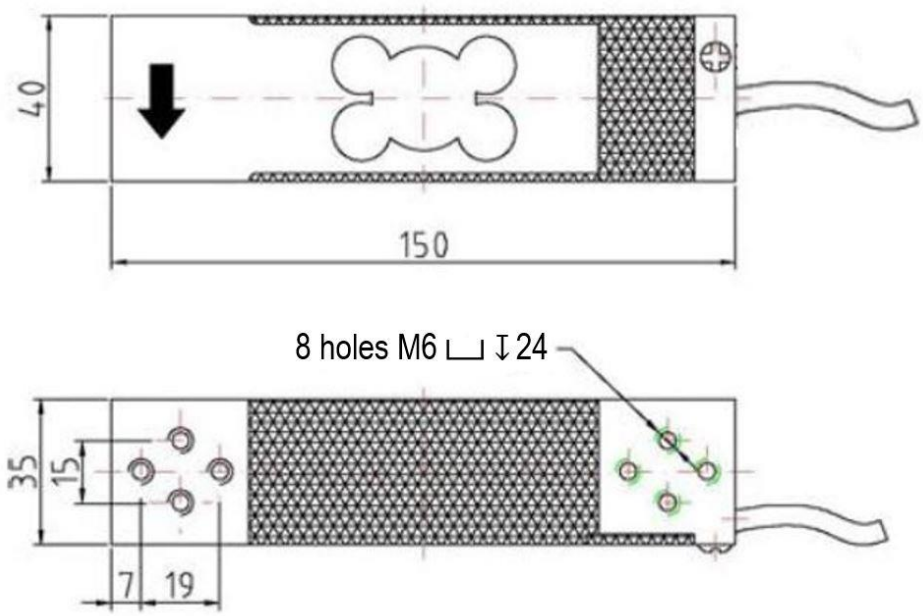
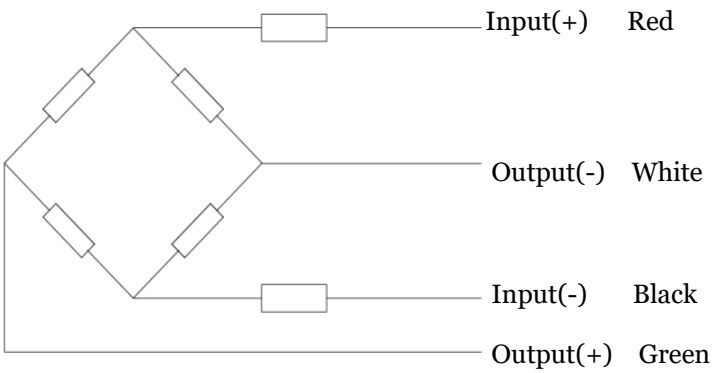
Dimensions:

(in mm; 1mm = 0.03937 inches)





Wiring:

- Shielded, 4 conductors cable
- Cable diameter: Ø 5mm.
- Standard cable length: 2m
- Shield not connected to the elememt

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