

# Type 2N-50kg Miniature Sensor Set



## Short description



- Aluminium bending miniature sensor
- High accuracy
- Used for personal scales
- Half-bridge miniature sensor
- Sensors are delivered per matched set

## Available models

Capacity	Accuracy	Full article description
50kg	0.3%	2N-34*34*7.8-50kg (set 4pcs)

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

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Nr. 2019.02 2N Sensor Set Rev2

1/3

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# Type 2N-50kg Miniature Sensor Set

## Detailed specifications 2N-50kg

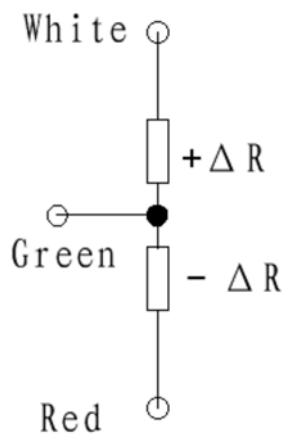
Accuracy class	of FS	0.3%
Output sensitivity ( = FS )	mV/V	0.5±0.075
Maximum capacity ( E <sub>max</sub> )	kg	50
Temperature effect on zero	%FS/10°C	≤±0.1
Temperature effect on Sensitivity	%FS/10°C	≤+0.1
Minimum dead load	of E <sub>max</sub>	0%
Safe overload	of E <sub>max</sub>	150 %
Ultimate overload	of E <sub>max</sub>	300%
Zero output (per set)	mV/V	± 0.5
Excitation, recommended voltage	V	5 ~ 9
Excitation maximum	V	10
Single bridge arm resistance	Ω	1000 ± 10
Input resistance (per set)	Ω	1000 ± 10
Output resistance (per set)	Ω	1000 ± 10
Insulation resistance	MΩ	≥2000 ( at 50VDC )
Compensated temperature	°C	0 ~+40
Operating temperature	°C	0 ~ +40
Storage temperature	°C	-20 ~ +70
Element material		Aluminium
Creep	%FS/5 min	±0.05
Non-linearity	%FS	±0.3
Repeatability	%FS	±0.2
Hysteresis	%FS	±0.3

Please note: 4 miniature sensors used in one set, sensitivity decentralization of each sensors is ± 0.01 mV/V

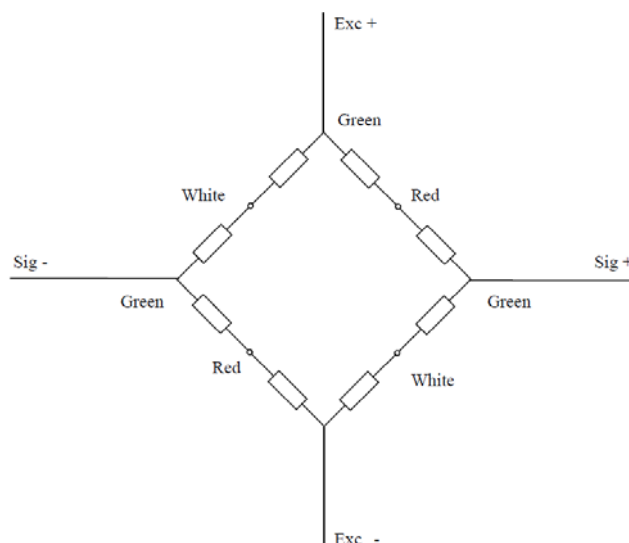
## Wiring

### Wiring:

3 separate conductor cables.  
Standard cables length: 0.405m.



### 4 miniature sensors used as one set

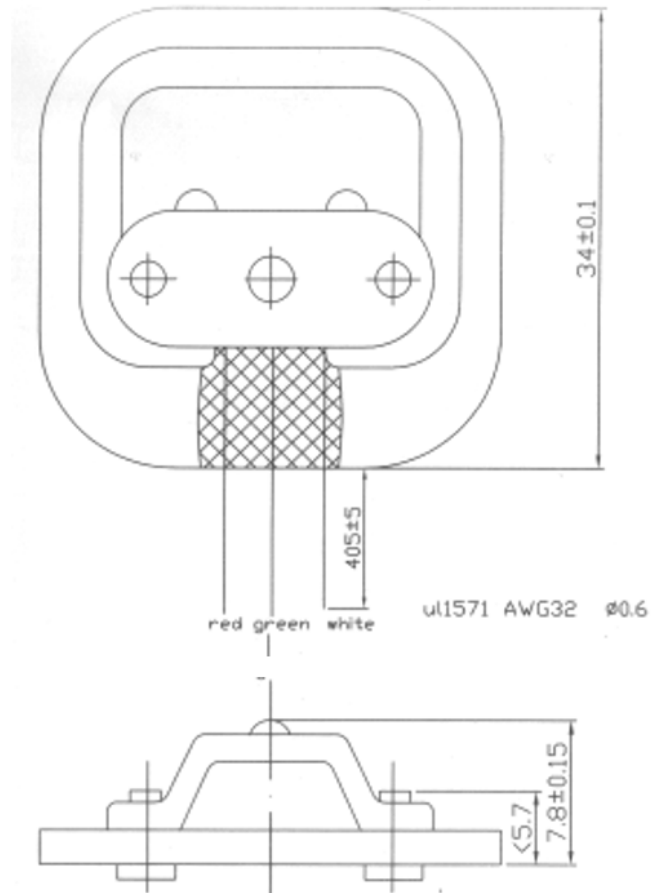


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Dimensions in mm



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