OFF CENTER LOAD CELL TYPE L6N

APPLICATIONS:

Off centre load cell type L6N can be used in small capacity weighing systems.
Some applications are:

- Small weighing platforms
- Hopper weighing, etc.

MAIN FEATURES:

- Universal use
- Low cost
- Aluminium construction
- OIML test certificate n.: D09-06.11 Revision 1
- Max Platform size 350X400

NOMINAL LOAD: kg 3-5-10-15-20-30-50-100

SPECIFICATION ACCORDING TO VDI/VDE 2637			
METROLOGICAL CHARACTERISTICS	**Par.**	**Un.**	
NOMINAL LOAD	Ln	Kg	3÷100
INITIAL LOAD	Lp	%Ln	20
MAXIMUM LOAD	Ll	%Ln	150
NON-LINEARITY	Flin	%Ln	0,017
COMBINED ERROR	Fu	%Ln	±0,0175
REPEATABILITY ERROR	Fv	%Ln	0,01
CREEP-30 MINUTES	Fcr	%Ln	±2
NOMINAL TEMPERATURE RANGE	Btn	°C	-10+40
ZERO TEMPERATURE DRIFT (OVER 10 °C)	TK0	%Cn	±0,020
OUTPUT TEMPERATURE DRIFT (OVER 10 °C)	TKC	%Cn	±0,017
THERMAL GRADIENT		°K/h	<5
ELECTRICAL DATA			
NOMINAL OUTPUT	Cn	mV/V	2
NOMINAL OUTPUT TOLERANCE	Dc	±%Cn	5
NOMINAL SUPPLY VOLTAGE	Bsu	V	0,5÷12
MAXIMUM SUPPLY VOLTAGE	Usmax	V	18
INPUT RESISTANCE	Re	Ω	409±6%
OUTPUT RESISTANCE	Ra	Ω	350±3%
INSULATION RESISTANCE @ 20V	Ris	MΩ	>5000
ZERO OUTPUT TOLERANCE	Do	±%Cn	±2
MECHANICAL DATA			
BREAKING LOAD	Ld	%Ln	300
MAXIMUN SIDE LOAD	Llq	%Ln	100
DEFLECTION	hn	mm	<1
CABLE LENGTH		mm	
WEIGHT		Kg	
ENVIRONMENTAL CONDITIONS			
WORKING TEMPERATURE RANGE	Btn	°C	-20+65
STORAGE TEMPERATURE RANGE	Bts	°C	-35+70
HOUSING PROTECTION			IP-65

SUBJECT TO CHANGE WITHOUT NOTICE

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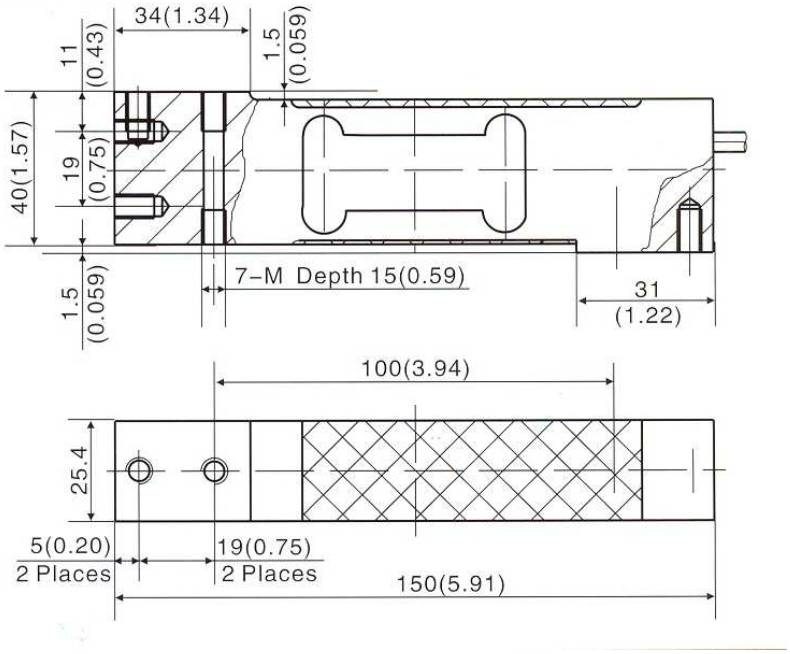
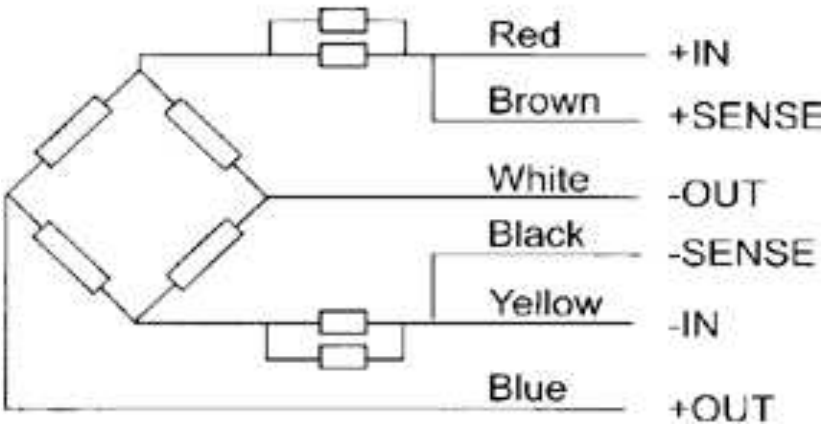
Dimensions (in mm; 1mm = 0.03937 inches)

Outline Dimensions in mm(inches)

	Metric	Imperial
M	M6	1/4–20UNC



WIRING

- Adopt a shielded 6 conductor cable and cable jacket is PVC
- Cable length: 3.0 +/- 0.1m
- Cable diameter: 6.0 +/- 0.2mm
- The shield is connected to the element

ELECTRICAL CONNECTION: