



OFF CENTER LOAD CELL TYPE L6F

APPLICATIONS:

- L6F load cell are available in capacities 50Kg-2000kg
- Silicon adhesive sealed, surface anodized and anti-corrosion
- Integral structure and easy installation
- Suitable for electronic pricing scales, platform scales and other electronic weighing devices



MAIN FEATURES:

- High accuracy
- Aluminium construction with parallel beam
- Max Platform size: 50Kg-200Kg 600x600mm
250Kg-500Kg 600x800mm
750Kg-2000Kg 1200x1200mm
- PTB approval No.: D09-06.10
- OILM certificate No.: R60/2000-CN1-06.01 revision 1

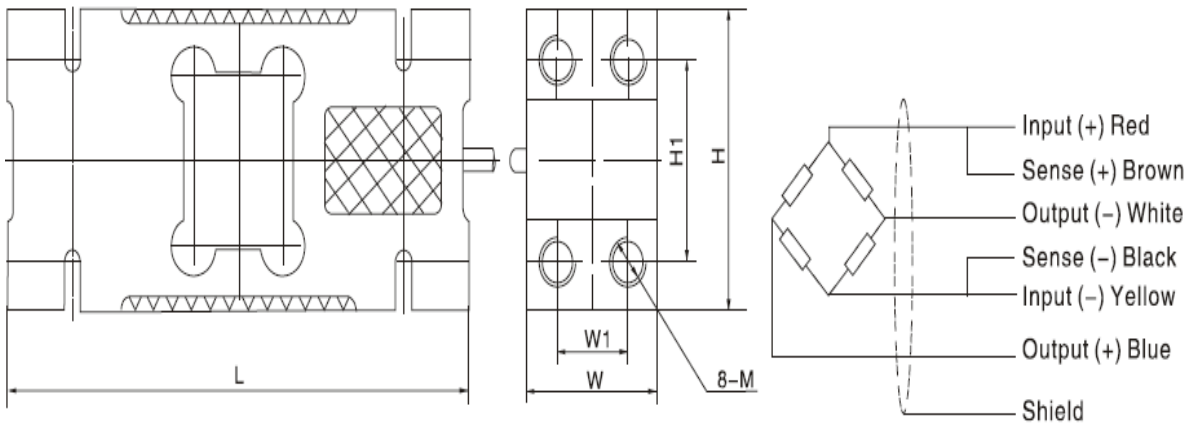
NOMINAL LOAD: kg 50-100-150-200-250-500-750-1000-2000

SPECIFICATION ACCORDING TO VDI/VDE 2637			
<u>METROLOGICAL CHARACTERISTICS</u>	Par.	Un.	
NOMINAL LOAD	Ln	Kg	50÷2000
INITIAL LOAD	Lp	% Ln	20
MAXIMUM LOAD	Ll	% Ln	150
COMBINED ERROR	Fv	% Ln	?±0,020
CREEP-30 MINUTES	Fcr	% FS	?±0,0167
NOMINAL TEMPERATURE RANGE	Btn	°C	-10+40
ZERO TEMPERATURE DRIFT (OVER 10 °C)	TK0	% Cn	?±0,0175
OUTPUT TEMPERATURE DRIFT (OVER 10 °C)	TKC	% Cn	?±0,020
THERMAL GRADIENT		°K/h	<5
<u>ELECTRICAL DATA</u>			
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	406±6%
OUTPUT RESISTANCE	Ra	Ω	350±3%
INSULATION RESISTANCE @ 20V	Ris	MΩ	>5000
ZERO OUTPUT TOLERANCE	Do	±% Cn	±2
<u>MECHANICAL DATA</u>			
BREAKING LOAD	Ld	% Ln	300
MAXIMUM SIDE LOAD	Llq	% Ln	100
DEFLECTION	hn	mm	<1
CABLE LENGTH		mm	
WEIGHT		Kg	
<u>ENVIRONMENTAL CONDITIONS</u>			
WORKING TEMPERATURE RANGE	Btn	°C	-35+70
STORAGE TEMPERATURE RANGE	Bts	°C	-50+85
HOUSING PROTECTION			IP-65

CELM s.r.l.

Largo Brugnattelli 13/16 20090 BUCCINASCO (MI) ITALY
 Tel: +39-0245712209 / 0257503712 Fax: +39-0245705836 / 0257506211
 Internet: www.celmi.com mail: info@celmi.com

OUTLINE DIMENSIONS IN mm:



Dimension Capacity	H	H1	L	W	W1	M
50 - 200kg	75(2.95)	50(1.97)	156(6.14)	44(1.73)	24(0.94)	M12-7H Depth20(0.79)
250 - 500kg	95(3.74)	70(2.76)	146(5.75)	60(2.36)	36(1.42)	M12-7H Depth18(0.71)
750 - 2000kg	125(4.92)	95(3.74)	176(6.93)	76(2.99)	46(1.81)	M16-7H Depth20(0.79)

Wiring:

Shielded, 6 conductor cable
 Cable jacket is PVC.
 Cable length: 3 ± 0.1 m
 Cable diameter: 6.2 ± 0.2 mm
 Shield not connected to element