



## OFF CENTER LOAD CELL TYPE SUP14

### APPLICATIONS:

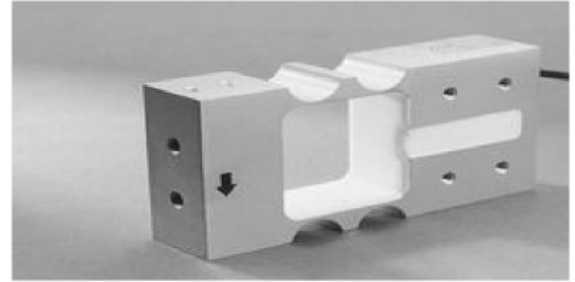
Off centre load cell type SUP14 can be used in small capacity weighing systems.

Some applications are:

- Small weighing platforms
- Hopper weighing, etc.

### MAIN FEATURES:

- Universal use
- Low cost
- Aluminium construction
- Independent from centre of load application
- Platform size 250X300 mm



**NOMINAL LOAD:** kg 3-6-10-15-20-25-30-50

<b>SPECIFICATION ACCORDING TO VDI/VDE 2637</b>			
<b>METROLOGICAL CHARACTERISTICS</b>	<b>Par.</b>	<b>Un.</b>	
NOMINAL LOAD	Ln	Kg	3÷50
INITIAL LOAD	Lp	% Ln	20
MAXIMUM LOAD	Ll	% Ln	150
NON-LINEARITY	Flin	% Ln	0,02
HISTERESIS ERROR	Fu	% Ln	0,02
REPEATABILITY ERROR	Fv	% Ln	0,02
CREEP-30 MINUTES	Fcr	% Ln	0,03
NOMINAL TEMPERATURE RANGE	Btn	°C	-10+40
ZERO TEMPERATURE DRIFT (OVER 10 °C)	TK0	% Cn	0,025
OUTPUT TEMPERATURE DRIFT (OVER 10 °C)	TKC	% Cn	0,025
THERMAL GRADIENT		°K/h	<5
<b>ELECTRICAL DATA</b>			
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±15%
OUTPUT RESISTANCE	Ra	Ω	350±3%
INSULATION RESISTANCE @ 20V	Ris	MΩ	>2000
ZERO OUTPUT TOLERANCE	Do	±% Cn	±2
<b>MECHANICAL DATA</b>			
BREAKING LOAD	Ld	% Ln	200
MAXIMUM SIDE LOAD	Llg	% Ln	100
DEFLECTION	hn	mm	<1
CABLE LENGTH		mm	1000
WEIGHT		Kg	0,2
<b>ENVIRONMENTAL CONDITIONS</b>			
WORKING TEMPERATURE RANGE	Btn	°C	-20+60
STORAGE TEMPERATURE RANGE	Bts	°C	-20+60
HOUSING PROTECTION			IP-65

SUBJECT TO CHANGE WITHOUT NOTICE

### CELM s.r.l.

Largo Brugnatelli 13/16 20090 BUCCINASCO (MI) ITALY

Tel: +39-0245712209 / 0257503712 Fax: +39-0245705836 / 0257506211

Internet: [www.celmi.com](http://www.celmi.com) mail: [info@celmi.com](mailto:info@celmi.com)