



## OFF CENTER LOAD CELL TYPE SUP7

### APPLICATIONS:

Off centre load cell type SUP7 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 1200X1200mm/800X1000mm



**NOMINAL LOAD:** kg 100-150-200-300-500-600-700-800-1000-1500-2000

<b>SPECIFICATION ACCORDING TO VDI/VDE 2637</b>			
<b><u>METROLOGICAL CHARACTERISTICS</u></b>			
	<b>Par.</b>	<b>Un.</b>	
NOMINAL LOAD	Ln	Kg	5 ÷ 100
INITIAL LOAD	Lp	% Ln	20
MAXIMUM LOAD	LI	% 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><u>ELECTRICAL DATA</u></b>			
NOMINAL OUTPUT	Cn	mV/V	2
NOMINAL OUTPUT TOLERANCE	Dc	±% Cn	10
NOMINAL SUPPLY VOLTAGE	Bsu	V	1 ÷ 10
MAXIMUM SUPPLY VOLTAGE	U <sub>max</sub>	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><u>MECHANICAL DATA</u></b>			
BREAKING LOAD	Ld	% Ln	200
MAXIMUM SIDE LOAD	Llq	% Ln	100
DEFLECTION	hn	mm	<1
CABLE LENGTH		mm	2000
WEIGHT		Kg	0,2
<b><u>ENVIRONMENTAL CONDITIONS</u></b>			

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