



OFF CENTER LOAD CELL TYPE SUP1

APPLICATIONS:

Off center load cell type SUP1 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 center of load application
- Platform size 250X300 mm



NOMINAL LOAD: kg 3-5-6-7-8-10-15-20-35-50

SPECIFICATION ACCORDING TO VDI/VDE 2637			
METROLOGICAL CHARACTERISTICS	Par.	Un.	
NOMINAL LOAD	Ln	Kg	3÷50
INITIAL LOAD	Lp	%Ln	20
MAXIMUM LOAD	Ll	%Ln	150
NON-LINEARITY	Flin	%Ln	0,015
HISTERESIS ERROR	Fu	%Ln	0,015
REPEATABILITY ERROR	Fv	%Ln	0,01
CREEP-30 MINUTES	Fcr	%Ln	0,017
NOMINAL TEMPERATURE RANGE	Btn	°C	-10+40
ZERO TEMPERATURE DRIFT (OVER 10 °C)	TK0	%Cn	0,17
OUTPUT TEMPERATURE DRIFT (OVER 10 °C)	TKC	%Cn	0,17
THERMAL GRADIENT		K/h	<5
ELECTRICAL DATA			
NOMINAL OUTPUT	Cn	mV/V	2
NOMINAL OUTPUT TOLERANCE	Dc	±%Cn	10
NOMINAL SUPPLY VOLTAGE	Bsu	V	1÷10
MAXIMUM SUPPLY VOLTAGE	U _{max}	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
MECHANICAL DATA			
BREAKING LOAD	Ld	%Ln	200
MAXIMUN SIDE LOAD	Llq	%Ln	100
DEFLECTION	hn	mm	<1
CABLE LENGTH		mm	450
ENVIRONMENTAL CONDITIONS			
WORKING TEMPERATURE RANGE	Btn	°C	-20+60
STORAGE TEMPERATURE RANGE	Bts	°C	-20+60
HOUSING PROTECTION			IP-65

SUBJECT TO CHANGE WITHOUT NOTICE

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