



DUAL S-BEAM LOAD CELL TYPE HM9B

APPLICATIONS:

Dual Shear Beam load cell type HM9B can be used in weighing systems.

Some applications are:

- Suitable for truck scales, track scales and other weighing devices
- High accuracy

MAIN FEATURES:

- Universal use
- Alloy steel construction, IP68
- OIML Certificate n.: R60/2000-CN-00.03



NOMINAL LOAD: t 10-20-25-30-40-40tSE-50

SPECIFICATION ACCORDING TO VDI/VDE 2637			
METROLOGICAL CHARACTERISTICS	Par.	Un.	
NOMINAL LOAD	Ln	t	10÷50
INITIAL LOAD	Lp	% Ln	20
MAXIMUM LOAD	Ll	% Ln	150
NON-LINEARITY	Flin	% Ln	0,017
COMBINED ERROR	Fu	% Ln	0,02
REPEATABILITY ERROR	Fv	% Ln	0,02
CREEP-30 MINUTES	Fcr	% Ln	±0,02
NOMINAL TEMPERATURE RANGE	Btn	°C	-10+40
ZERO TEMPERATURE DRIFT (OVER 10 °C)	TK0	% Cn	±0,0014
OUTPUT TEMPERATURE DRIFT (OVER 10 °C)	TKC	% Cn	±0,0017
THERMAL GRADIENT		°K/h	<5
ELECTRICAL DATA			
NOMINAL OUTPUT	Cn	mV/V	2
NOMINAL OUTPUT TOLERANCE	Dc	±% Cn	5
NOMINAL SUPPLY VOLTAGE	Bsu	V	5÷12
MAXIMUM SUPPLY VOLTAGE	Usmax	V	18
INPUT RESISTANCE	Re	Ω	700±7%
OUTPUT RESISTANCE	Ra	Ω	703±4%
INSULATION RESISTANCE @ 20V	Ris	MΩ	>5000
ZERO OUTPUT TOLERANCE	Do	±% Cn	±1
MECHANICAL DATA			
BREAKING LOAD	Ld	% Ln	300
MAXIMUM SIDE LOAD	Llq	% Ln	100
DEFLECTION	hn	mm	<1
CABLE LENGTH		mm	
WEIGHT		Kg	
ENVIRONMENTAL CONDITIONS			
WORKING TEMPERATURE RANGE	Btn	°C	-35+65
STORAGE TEMPERATURE RANGE	Bts	°C	-50+85
HOUSING PROTECTION			IP-68

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