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**Applications:**

Off centre load cell type 44 can be used in small capacity weighing systems.

**Some applications are:**

- Small weighing platforms
- Hopper weighing, etc.

**Main features:**

- Bidirectional use
- Low cost
- Aluminium construction
- Independent from centre of load application
- Atex certification

**Nominal load:**

kg 6-10-15-30-60-100-200

**Specification according to VDI/VDE 2637**



**OFF CENTER  
LOAD CELL  
TYPE 44**

<b>Metrological Characteristics</b>	<b>Par.</b>	<b>Un.</b>	
Combined Error	Fcomb	±%Ln	0,035
Initial Load	Ln	Kg	6÷200
Minimum Load	Lp	%Ln	0
Maximum Load	Ll	%Ln	150
Linearity	Flin	±%Ln	0,02
Hysteresis	Fu	±%Ln	0,015
Repeatibility	Fv	±%Ln	0,01
Creep (in 30')	Fcr	±%Ln	0,02
Nominal Temperature Range	Btn	°C	-10+40
Zero Temperature Drift (10÷60°C, over 10°C)	TKo	±%Cn	0,065
Output Temperature Drift (10÷60°C, per 10°C)	TKC	±%Cn	0,035
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÷12
Maximum Supply Voltage	Usmax	V	15
Input Resistance	Re	Ω	400±10%
Output Resistance	Ra	Ω	350±1%
Insulation Resistance @20V	Ris	MΩ	>2000
Zero balance	Do	±%Cn	1,5

<b>Mechanical Data</b>			
Breaking Load	Ld	%Ln	>300
Maximum Side Load	Llq	%Ln	>100
Deflection	hn	mm	<1
Cable Length		m	6
Weight		Kg	<0,5

<b>Environmental Conditions</b>			
Working Temperature Range	Btn	°C	-20+65
Storage Temperature Range	Bts	°C	-20+65
Housing Protection			IP -68

Subject to change without notice

# OFF CENTER LOAD CELL TYPE 44

