

S-Type Load Cell

125 kg ... 5 t Type N/C3

global weighing technologies



MP 56

- Full stainless steel construction
- High resolution and linearity
- Hermetically welded seal (IP67)
- Robust and 100 % maintenance free
- Approved to OIML R60

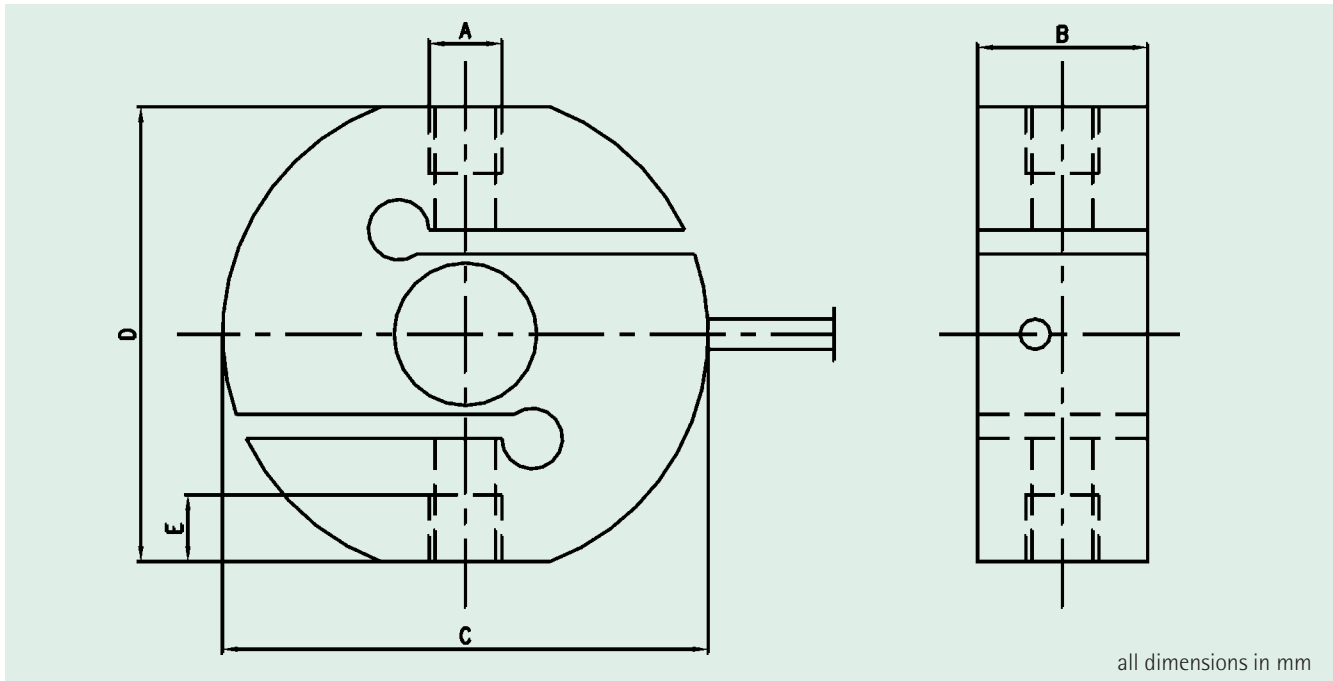
APPLICATIONS

- Mechanical scale conversions
- Suspended tank and hopper scales
- Tension & compression measurement

Technical Data

		N	C3
Accuracy class		0.03 %	0.02 %
Minimum dead load	E_{min}		0 % E_{max}
Rated capacity	E_{max}		(s.table)
Safe overload	E_U		150 % E_{max}
Rated output	C_n		2 mV/V
Tolerance on rated output	d_c		$\pm 0.25 \% C_n$
Zero output signal	s_{min}		$\pm 1 \% C_n$
Repeatability	ϵ_R		$< 0.01 \% C_n$
Creep, during 30 min.	d_{cr}	$< 0.03 \% C_n$	$< 0.017 \% C_n$
Temperature effect on zero	TK_0	$< 0.028 \% C_n / 10K$	$< 0.017 \% C_n / 10K$
Temperature effect on span	TK_c	$< 0.025 \% C_n / 10K$	$< 0.011 \% C_n / 10K$
Input impedance	R_{LC}		400 $\Omega \pm 50 \Omega$
Output impedance	R_0		352 $\Omega \pm 3 \Omega$
Insulation impedance	R_{IS}		$> 2000 \times 10^6 \Omega$
Recommended supply voltage	B_U		10 V
Max. supply voltage	U_{max}		20 V
Nominal ambient temp. range	B_T		-10...+40°C
Usable ambient temp. range	B_{TU}		-20...+65°C
Cable	-		5 m, 4 wires with screen
Protection class	-		IP 67 (equiv. to Nema 6)

Definitions acc. to VDI/VDE 2637, Technical data and dimension for product description only. Data subject to change without notice.

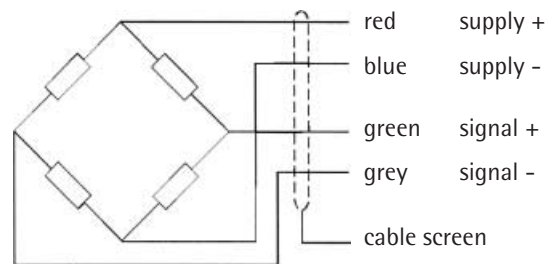


Capacity	A	B	C	D	E	Deflection	Weight
125 kg, 250kg, 500kg	M 12x1.75	28	80	75	15	0.2	1kg
1t	M20x1.5	28	80	75	15	0.2	1kg
2t	M20x1.5	28	95	90	15	0.2	1.5kg
3t, 5t	M20x1.5	28	125	120	20	0.3	2.5kg

Type and Order Code

Rated capacity

	MP 56/125 kg N	125 kg
MP 56/250 kg C3	MP 56/250 kg N	250 kg
MP 56/500 kg C3	MP 56/500 kg N	500 kg
MP 56/1 t C3	MP 56/1 t N	1000 kg
MP 56/2 t C3	MP 56/2 t N	2000 kg
MP 56/3 t C3	MP 56/3 t N	3000 kg
MP 56/5 t C3	MP 56/5 t N	5000 kg



Accessories

Type	Description
MP 46/81	swivel eye for MP 56/125 kg ... MP 56 /500 kg
MP 46/82	swivel eye for MP 56/1 t ... MP 56 /5 t

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