

Stainless Steel Shear Beam Load Cell 500kg ... 5t Type N/C3

global weighing technologies



MP 49

- Full stainless steel construction
- Compatible with other sources
- Hermetically welded seal (IP67)
- Approved to OIML R60

APPLICATIONS

- Platform scales
- Tank & Hopper scales

Technical Data

Accuracy class

Minimum dead load

Rated capacity

Safe overload

Destructive load

Rated output

Tolerance on rated output

Tolerance on zero signal

Repeatability

Creep, during 30 min.

Temperature effect on zero

Temperature effect on output

Input impedance

Output impedance

Insulation impedance

Recommended supply voltage

Max. supply voltage

Nominal ambient temp. range

Usable ambient temp. range

Cable

Protection class

E_{min}

E_{max}

E_U

E_d

C_n

d_C

S_{min}

E_R

d_{cr}

TK_{smin}

TK_c

R_{LC}

R_O

R_{IS}

B_u

U_{max}

B_T

B_{TU}

-

-

N

0.03 %

<0.03 % C_n

<0.028 % $C_n/10K$

<0.014 % $C_n/10K$

C3

0.025 %

<0.017 % C_n

<0.017 % $C_n/10K$

<0.011 % $C_n/10K$

2 % E_{max}

s.table

150 % E_{max}

300 % E_{max}

2 mV/V

± 0.25 % C_n

± 1 % C_n

<0.012 % C_n

350 $\Omega \pm 7 \Omega$

352 $\Omega \pm 3 \Omega$

>1000 x 10⁶ Ω

10 V

15 V

-10...+40°C

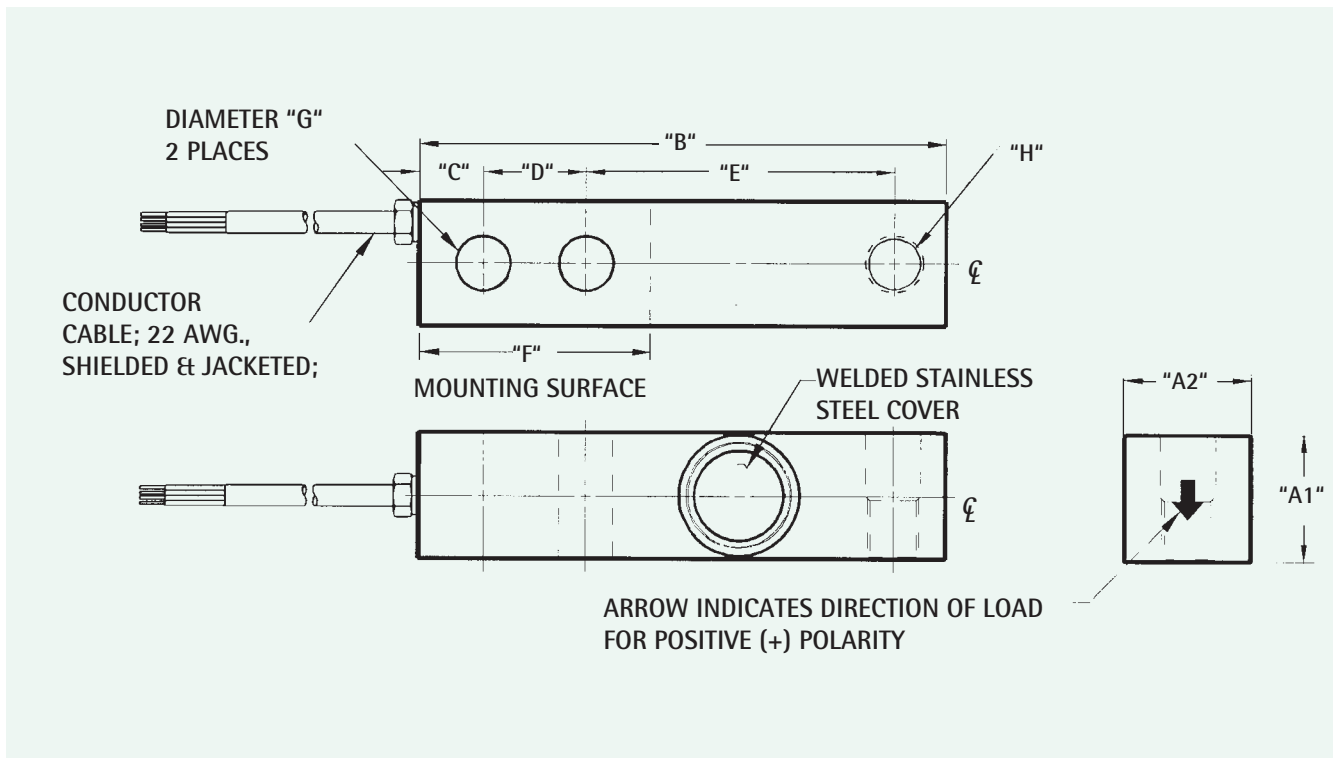
-20...+65°C

5 m, 4 wires with screen

IP 67

- Temperature effect on sensitivity and combined error (accuracy class) are combined in such a way that the load cells meet the tolerance envelope of the OIML recommendations R60.
- When selecting load cells for a particular environment, the IP rating should only be used as a guide. Care should be given to the design of the weighing product to protect the load cell.
- The correct mounting of the load cell is essential to obtain optimum performance.





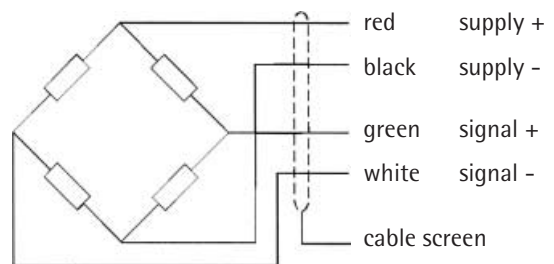
Dimensions all in mm

Capacity	F	E	D	C	B	A1	A2	Ø G	Ø H	H	Weight
500kg ... 2t	57.1	76.2	25.4	16	130	31	31	13.0	13.0	M 12x1.75	1.8 kg
3 t, 5 t	76.2	95.2	38.1	19	171.4	37.8	37.8	20.6	20.6	M 20x2.5	2.9 kg

Type and Order Code

Max. capacity
2 mV/V

MP 49/52 N	MP 49/52 C3	500 kg
MP 49/13 N	MP 49/13 C3	1000 kg
MP 49/23 N	MP 49/23 C3	2000 kg
MP 49/33 N	MP 49/33 C3	3000 kg
MP 49/53 N	MP 49/53 C3	5000 kg



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