

High Capacity Single Point Load Cell 50kg ... 500kg Type N/C3

global weighing technologies



MP 42

- Aluminium alloy construction
- Compatible with other sources
- Single point 600x600 platform
- Approved to OIML R60

APPLICATIONS

- Bench scales
- Counting scales
- Check weighing systems

Technical Data

Accuracy class

Minimum dead load

Rated capacity

Safe overload

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

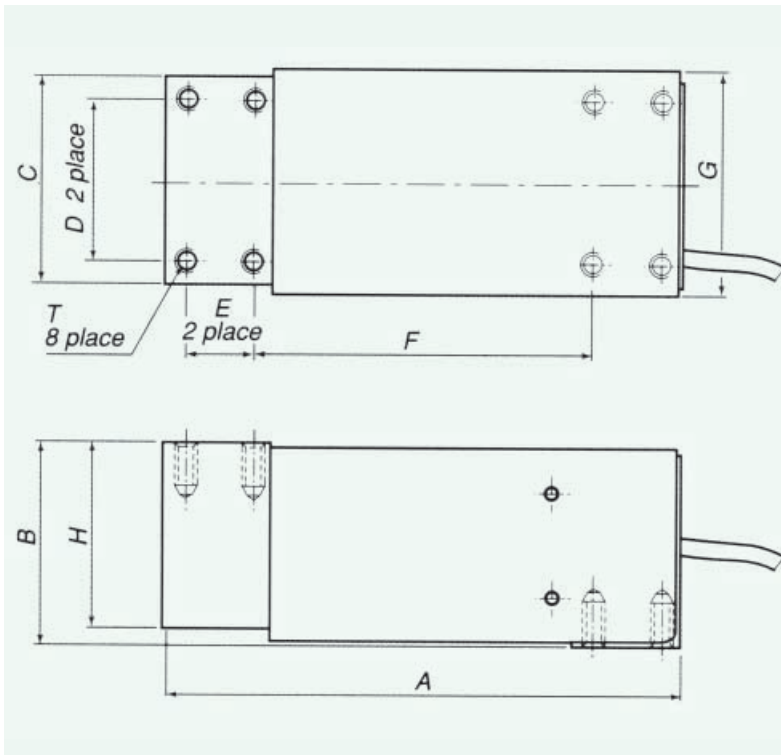
Nominal ambient temp. range

Usable ambient temp. range

Cable

Protection class

	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	± 10 % C_n
Tolerance on zero signal	S_{min}	± 5 % C_n
Repeatability	E_R	< 0.01 % C_n
Creep, during 30 min.	d_{cr}	< 0.017 % C_n
Temperature effect on zero	TK_{smin}	< 0.022 % $C_n/10K$
Temperature effect on output	TK_c	< 0.011 % $C_n/10K$
Input impedance	R_{LC}	400 $\Omega \pm 20 \Omega$
Output impedance	R_O	350 $\Omega \pm 3.5 \Omega$
Insulation impedance	R_{IS}	$> 2000 \times 10^6 \Omega$
Recommended supply voltage	B_u	10 V
Max. supply voltage	U_{max}	15 V
Nominal ambient temp. range	B_T	-10...+40°C
Usable ambient temp. range	B_{TU}	-20...+65°C
Cable	-	3 m, 4 wires with screen
Protection class	-	IP 65



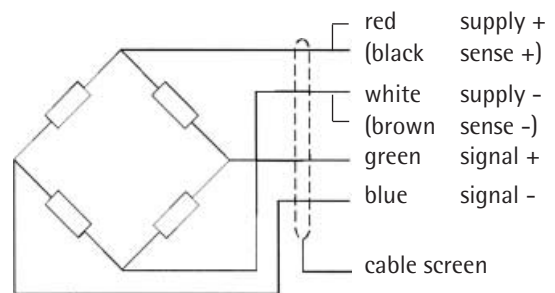
Dimensions all in mm

Capacity	A	B	C	D	E	F	G	H	T
50 kg ... 500 kg	191	75.4	76.2	59.9	24.9	125	81.4	67.8	M8 x 1.25 DP 16

Type and Order Code

Max. capacity
2 mV/V

MP 42/51 N	MP 42/51 C3	50 kg
MP 42/76 N	MP 42/76 C3	75 kg
MP 42/12 N	MP 42/12 C3	100 kg
MP 42/17 N	MP 42/17 C3	150 kg
MP 42/22 N	MP 42/22 C3	200 kg
MP 42/32 N	MP 42/32 C3	300 kg
MP 42/52 N	MP 42/52 C3	500 kg



The technical data given here serve only as a product description and must not be interpreted as guaranteed characteristics in the legal sense.

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