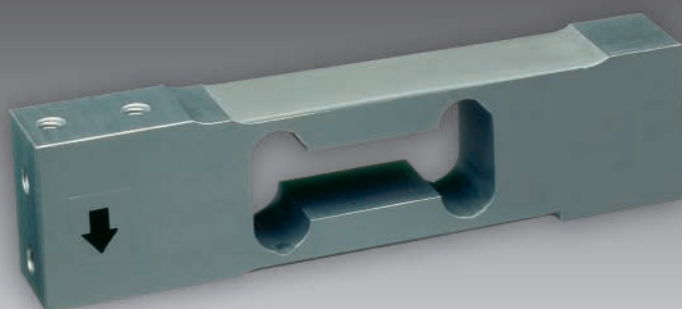




MP 51

Single Point Load Cell



3kg... 100kg Typ N/C3/C3MR

- Aluminium alloy construction
- Compatible with other sources
- Low profile type
- Single point 400 x 400mm platform
- Approved according to OIML R60

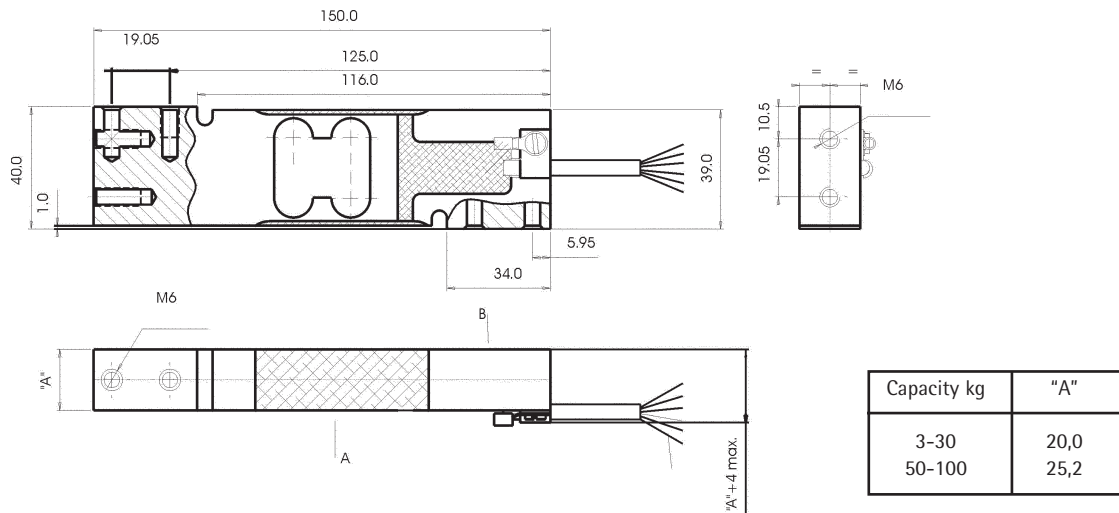
Applications

- Bench scales
- Counting scales
- Checkweigher

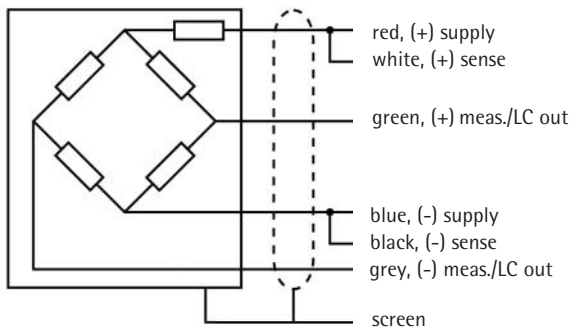
Technical Data		N	C3	C3MR	
Accuracy class		0.03	0.02	0.02	% E_{max}
Maximum capacity	E_{max}	s. table	s. table	s. table	
Max. usable load	E_u	150	150	150	% E_{max}
Destructive load	E_d	> 300	> 300	> 300	% E_{max}
Minimum LC verification interval $v_{min} = E_{max}/Y$	Y	-	6,000	12,000	
Rated output	C_n	2	2	2	mV/V
Tolerance on rated output	d_c	≤ 10	≤ 10	≤ 10	% C_n
Zero output signal	S_{min}	≤ 10	≤ 10	≤ 10	% C_n
Creep, during 30min.	d_{cr}	≤ 0.025	≤ 0.0167	≤ 0.0167	% C_n
Temperature effect on S_{min}	$TK_{S_{min}}$	≤ 0.06	≤ 0.023	≤ 0.0116	% $C_n/10K$
Temperature effect on C	TK_c	≤ 0.014	≤ 0.01	≤ 0.01	% $C_n/10K$
Input impedance	R_{LC}	415 ± 15	415 ± 15	415 ± 15	Ω
Output impedance	R_o	350 ± 3	350 ± 3	350 ± 3	Ω
Insulation impedance	R_{IS}	> 5,000	> 5,000	> 5,000	MΩ
Recommended supply voltage	B_u	10	10	10	V
Maximum supply voltage	U_{max}	15	15	15	V
Nominal ambient temperature range	B_T	-10 to +40	-10 to +40	-10 to +40	° C
Usable ambient temperature range	B_{TU}	-30 to +70	-30 to +70	-30 to +70	° C

Technical Data		N	C3	C3MR	
Nominal deflection	s_{nom}	≤ 0.5	≤ 0.5	≤ 0.5	mm
Cable length		1.5	1.5	1.5	m
Environmental protection		IP 66	IP 66	IP 66	

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



Dimensions all in mm



Order information

Type	Order number	Type	Order number	Type	Order number	Max. capacity (2mV/V)
MP51/3kg N	9408 251 01003	MP51/3kg C3	9408 251 03003	MP51/3kg C3MR	9408 251 07003	3kg
MP51/5kg N	9408 251 01005	MP51/5kg C3	9408 251 03005	MP51/5kg C3MR	9408 251 07005	5kg
MP51/7kg N	9408 251 01007	MP51/7kg C3	9408 251 03007	MP51/7kg C3MR	9408 251 07007	7kg
MP51/10kg N	9408 251 01010	MP51/10kg C3	9408 251 03010	MP51/10kg C3MR	9408 251 07010	10kg
MP51/15kg N	9408 251 01015	MP51/15kg C3	9408 251 03015	MP51/15kg C3MR	9408 251 07015	15kg
MP51/20kg N	9408 251 01020	MP51/20kg C3	9408 251 03020	MP51/20kg C3MR	9408 251 07020	20kg
MP51/30kg N	9408 251 01030	MP51/30kg C3	9408 251 03030	MP51/30kg C3MR	9408 251 07030	30kg
MP51/50kg N	9408 251 01050	MP51/50kg C3	9408 251 03050	MP51/50kg C3MR	9408 251 07050	50kg
MP51/75kg N	9408 251 01075	MP51/75kg C3	9408 251 03075	MP51/75kg C3MR	9408 251 07075	75kg
MP51/100kg N	9408 251 01110	MP51/100kg C3	9408 251 03110	MP51/100kg C3MR	9408 251 07110	100kg