



sartorius

MP 58, MP 58T

Stainless Steel Shear Beam Load Cell



91kg... 2,268kg Type N/C3/C3MR
(200lb... 5,000lb)

- Full stainless steel construction
- Compatible with other sources
- Approved according to OIML R60
- Ex-Version available (MP58/...E, MP58T/...E)
- Matched output
- High input impedance

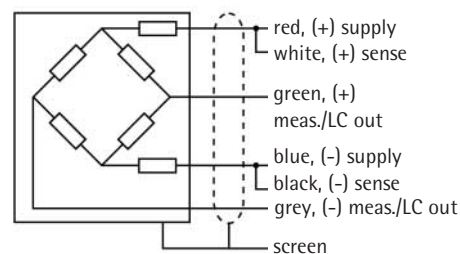
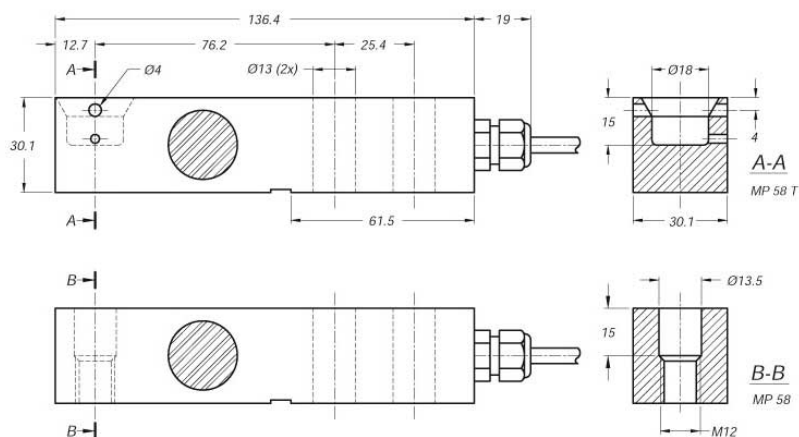
Applications

- Platform scales
- Tank & Hopper scales

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	200	200	200	% $E_{\max}$
Destructive load	E_d	> 300	> 300	> 300	% $E_{\max}$
Minimum LC verification interval $v_{\min} = E_{\max}/Y$	Y	-	6,000	11,500	
Rated output	C_n	2.0	2.0	2.0	mV/V
Tolerance on rated output	d_c	≤ 0.1	≤ 0.1	≤ 0.1	% C_n
Zero output signal	$S_{\min}$	≤ 1.0	≤ 1.0	≤ 1.0	% C_n
Creep, during 30min.	d_{cr}	≤ 0.025	≤ 0.016	≤ 0.016	% C_n
Temperature effect on $S_{\min}$	$TK_{S_{\min}}$	≤ 0.035	≤ 0.023	≤ 0.011	% $C_n/10K$
Temperature effect on C	TK_c	≤ 0.014	≤ 0.010	≤ 0.010	% $C_n/10K$
Input impedance	R_{LC}	$1,100 \pm 50$	$1,100 \pm 50$	$1,100 \pm 50$	Ω
Output impedance	R_o	$1,000 \pm 2$	$1,000 \pm 2$	$1,000 \pm 2$	Ω
Insulation impedance	R_{IS}	> 5,000	> 5,000	> 5,000	M Ω
Recommended supply voltage	B_u	5... 15	5... 15	5... 15	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	$E_{\max} = 91\text{kg}, 227\text{kg}, 454\text{kg}$	S_{nom}	≤ 0.25	≤ 0.25	≤ 0.25	mm
	$E_{\max} = 1,134\text{kg}$		≤ 0.33	≤ 0.33	≤ 0.33	mm
	$E_{\max} = 2,268\text{kg}$		≤ 0.56	≤ 0.56	≤ 0.56	mm
Cable length			3	3	3	m
Environmental protection			IP 67	IP 67	IP 67	

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



Order information

Type	Order number	Type	Order number	Type	Order number
MP58/91kg N	9408 258 01090	MP58/91kg C3	9408 258 03090	MP58/91kg C3MR	9408 258 07090
MP58/227kg N	9408 258 01120	MP58/227kg C3	9408 258 03120	MP58/227kg C3MR	9408 258 07120
MP58/454kg N	9408 258 01150	MP58/454kg C3	9408 258 03150	MP58/454kg C3MR	9408 258 07150
MP58/1134kg N	9408 258 01210	MP58/1134kg C3	9408 258 03210	MP58/1134kg C3MR	9408 258 07210
MP58/2268kg N	9408 258 01220	MP58/2268kg C3	9408 258 03220	MP58/2268kg C3MR	9408 258 07220
MP58T/91kg N	9408 258 11090	MP58T/91kg C3	9408 258 13090	MP58T/91kg C3MR	9408 258 17090
MP58T/227kg N	9408 258 11120	MP58T/227kg C3	9408 258 13120	MP58T/227kg C3MR	9408 258 17120
MP58T/454kg N	9408 258 11150	MP58T/454kg C3	9408 258 13150	MP58T/454kg C3MR	9408 258 17150
MP58T/1134kg N	9408 258 11210	MP58T/1134kg C3	9408 258 13210	MP58T/1134kg C3MR	9408 258 17210
MP58T/2268kg N	9408 258 11220	MP58T/2268kg C3	9408 258 13220	MP58T/2268kg C3MR	9408 258 17220
MP58/91kg...NE	9408 658 01090	MP58/91kg...C3E	9408 658 03090	MP58/91kg...C3MRE	9408 658 07090
MP58/227kg...NE	9408 658 01120	MP58/227kg...C3E	9408 658 03120	MP58/227kg...C3MRE	9408 658 07120
MP58/454kg...NE	9408 658 01150	MP58/454kg...C3E	9408 658 03150	MP58/454kg...C3MRE	9408 658 07150
MP58/1134kg...NE	9408 658 01210	MP58/1134kg...C3E	9408 658 03210	MP58/1134kg...C3MRE	9408 658 07210
MP58/2268kg...NE	9408 658 01220	MP58/2268kg...C3E	9408 658 03220	MP58/2268kg...C3MRE	9408 658 07220
MP58T/91kg...NE	9408 658 11090	MP58T/91kg...C3E	9408 658 13090	MP58T/91kg...C3MRE	9408 658 17090
MP58T/227kg...NE	9408 658 11120	MP58T/227kg...C3E	9408 658 13120	MP58T/227kg...C3MRE	9408 658 17120
MP58T/454kg...NE	9408 658 11150	MP58T/454kg...C3E	9408 658 13150	MP58T/454kg...C3MRE	9408 658 17150
MP58T/1134kg...NE	9408 658 11210	MP58T/1134kg...C3E	9408 658 13210	MP58T/1134kg...C3MRE	9408 658 17210
MP58T/2268kg...NE	9408 658 11220	MP58T/2268kg...C3E	9408 658 13220	MP58T/2268kg...C3MRE	9408 658 17220

Certificate of conformity

Feature: II 1G and 1D EEx ia IIc T6|T5|T4 150 °C

Reg. Number: KEMA 04ATEX 1253x

Specifications subject to change without notice.

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Sartorius Hamburg GmbH
Meiendorfer Straße 205
22145 Hamburg, Germany
Tel. +49.40.67960.303
Fax +49.40.67960.383
www.sartorius.com