



MP 57

Bending Beam Load Cell



5kg... 500kg, Type N/C3/C3MR/C3MR+

- Full stainless steel construction
- Compatible with other sources
- Hermetically welded seal (IP68)
- Approved according to OIML R60
- Ex-Version available (MP57/...E)

Applications

- Platform scales
- Tank & Hopper scales
- Conveyor scales
- Mechanical scale conversions

Technical Data		N	C3	C3MR	C3MR+	
Accuracy class		0.03	0.02	0.02	0.02	% E_{max}
Rated capacity	E_{max}	s. table	s. table	s. table	s. table	
Safe overload	E_u	150	150	150	150	% E_{max}
Destructive load	E_d	> 300	> 300	> 300	> 300	% E_{max}
Minimum LC verification interval $v_{min} = E_{max}/Y$	Y	-	6,000	12,000	15,000	
Rated output	C_n	2	2	2	2	mV/V
Tolerance on rated output	d_c	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	% C_n
Zero output signal	S_{min}	≤ 2	≤ 2	≤ 2	≤ 2	% C_n
Creep, during 30min.	d_{cr}	≤ 0.025	≤ 0.0167	≤ 0.0167	≤ 0.0167	% C_n
Temperature effect on S_{min}	$TK_{S_{min}}$	≤ 0.035	≤ 0.023	≤ 0.0116	≤ 0.0093	% $C_n/10K$
Temperature effect on C	TK_C	≤ 0.014	≤ 0.01	≤ 0.01	≤ 0.01	% $C_n/10K$
Input impedance	R_{LC}	380 ± 10	380 ± 10	380 ± 10	380 ± 10	Ω
Output impedance	R_O	350 ± 3	350 ± 3	350 ± 3	350 ± 3	Ω
Insulation impedance	R_{IS}	> 5,000	> 5,000	> 5,000	> 5,000	MΩ
Recommended supply voltage	B_u	10	10	10	10	V
Maximum supply voltage	U_{max}	15	15	15	15	V
Nominal ambient temperature range	B_T	-10 to +40	-10 to +40	-10 to +40	-10 to +40	° C
Usable ambient temperature range	B_{Ti}	-30 to +70	-30 to +70	-30 to +70	-30 to +70	° C

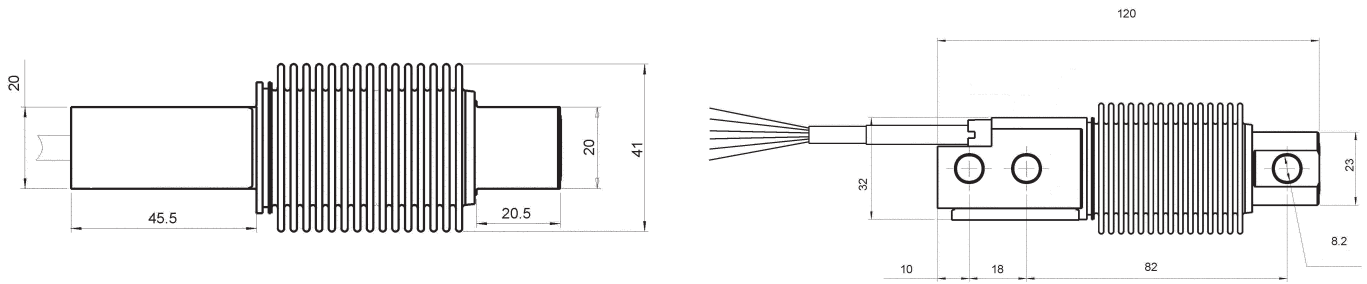
По вопросам продаж и поддержки обращайтесь:

Астана+7(7172)727-132, Волгоград(844)278-03-48, Воронеж(473)204-51-73, Екатеринбург(343)384-55-89,
Казань(843)206-01-48, Краснодар(861)203-40-90, Красноярск(391)204-63-61, Москва(495)268-04-70,
Нижний Новгород(831)429-08-12, Новосибирск(383)227-86-73, Ростов-на-Дону(863)308-18-15, Самара(846)206-03-16,
Санкт-Петербург(812)309-46-40, Саратов(845)249-38-78, Уфа(347)229-48-12

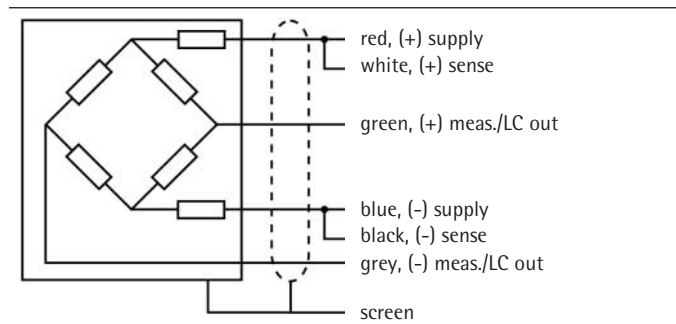
sst@nt-rt.ru || sartorius.nt-rt.ru

Technical Data		N	C3	C3MR	C3MR+	
Nominal deflection	s_{nom}	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	mm
Cable length		3	3	3	3	m
Environmental protection		IP 68	IP 68	IP 68	IP 68	

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



Dimensions in mm



Certificate of conformity

Features: II 1GD T85°C EEx ia IIC T6, II 1GD T115°C EEx ia IIC T4
Reg. Number: SIRA 04 ATEX 2143x

Order number for ATEX load cells

9408 6.. ..
e.g. MP57/100kg C3 E = 9408 657 03110

Order information

Type	Order number	Type	Order number	Max. capacity (2mV/V)
MP57/5kg N	9408 257 01005	MP57/5kg C3	9408 257 03005	5kg
MP57/10kg N	9408 257 01010	MP57/10kg C3	9408 257 03010	10kg
MP57/20kg N	9408 257 01020	MP57/20kg C3	9408 257 03020	20kg
MP57/30kg N	9408 257 01030	MP57/30kg C3	9408 257 03030	30kg
MP57/50kg N	9408 257 01050	MP57/50kg C3	9408 257 03050	50kg
MP57/100kg N	9408 257 01110	MP57/100kg C3	9408 257 03110	100kg
MP57/200kg N	9408 257 01120	MP57/200kg C3	9408 257 03120	200kg
MP57/250kg N	9408 257 01125	MP57/250kg C3	9408 257 03125	250kg
MP57/500kg N	9408 257 01150	MP57/500kg C3	9408 257 03150	500kg
MP57/5kg C3MR	9408 257 07005	MP57/5kg C3MR+	9408 257 08005	5kg
MP57/10kg C3MR	9408 257 07010	MP57/10kg C3MR+	9408 257 08010	10kg
MP57/20kg C3MR	9408 257 07020	MP57/20kg C3MR+	9408 257 08020	20kg
MP57/30kg C3MR	9408 257 07030	MP57/30kg C3MR+	9408 257 08030	30kg
MP57/50kg C3MR	9408 257 07050	MP57/50kg C3MR+	9408 257 08050	50kg
MP57/100kg C3MR	9408 257 07110	MP57/100kg C3MR+	9408 257 08110	100kg
MP57/200kg C3MR	9408 257 07120	MP57/200kg C3MR+	9408 257 08120	200kg
MP57/250kg C3MR	9408 257 07125	MP57/250kg C3MR+	9408 257 08125	250kg
MP57/500kg C3MR	9408 257 07150	MP57/500kg C3MR+	9408 257 08150	500kg