

MUT2200-Engineering

MUT2200EL sensors represent the state of the art of BERMAD production for water cycle and process applications. The new structure for the generation of the magnetic field and the innovative route of the signal generated by the electrodes, provide a sensor with an extremely wide measurement range:

EL= Extended Linearity

This new sensors series follows the successful tradition of the MUT2200EL, introducing a measurement range of more than 1:1000 without linearization software. These kinds of performances allow very accurate measures on a wide flowrate range and to count lower flow rates that, before, would have been reset because of the effect of the converters cut off. This flanged sensors series bases its operation on the Faraday Principle, by which a conductor crossing a magnetic field generates a potential perpendicularly orientated to the same field. In this case the flow tube made in stainless steel AISI 304 is equipped with carbon steel or stainless steel flanges, two coils are installed on the top and inferior part; the magnetic field, generated by the electric current crossing the coil, induces in the electrodes a difference in the potential proportional to the flow rate. With the aim of measuring such potential of very low values, the interior of the flow tube is electrically insulated, thus the process liquid is no longer in contact neither with the material of the flow tube nor with that of the flange. The converter used generates the current supplying the coil, acquires the electrodes difference of potential, process the signal to calculate the flowrate and administers the communication with the exterior. The entire sensor, when installed in the separate version, has a degree of protection IP68 suitable for a permanent immersion in water up to a depth of 1.5m thanks to a welded plate structure containing the coil and the electrodes.



The electromagnetic flowmeter designed for the toughest applications



Modbus

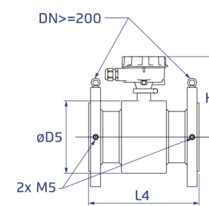
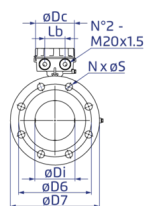


Sensor Specifications

Flow tube material	AISI 304 (std), AISI 316	
Flanges material	Carbon steel painted (std), AISI 304, AISI 316	
Electrodes material	Electrodes material Hastelloy C (std), Hastelloy B, Titanium, Tantalio, Platinum	
Internal lining and liquid temperature	Internal lining: PTFE Ebonite	Liquid temperature: Standard -40 /+130°C (up to +180° on request) -40°C / +80°C
Available Sizes	½"-80" ; DN15-2000 mm	
Flange standards available	EN1092-1, ANSI 150, ANSI 300, ANSI 600, ANSI 900, DIN 2501, BS 4504, AS 2129 (TABLE D - E - F), AS 4087, ISO 7005-1, KS 10K	
Protection Degree	IP68 1.5 m continuous immersion (EN 60529)	
Electrical connections	Cable glands M20 x 1.5 + terminal block + sealing resin	



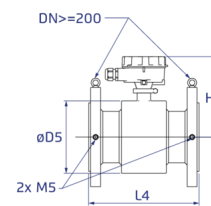
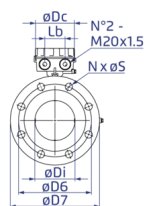
MUT2200EL PN 10 EN 1092-1



Size	L4 (mm)	D5 (mm)	Di (mm)	D6 (mm)	D7 (mm)	N	H (mm)	Dc (mm)	Lb (mm)
½" ; DN12	200(+0/-3)	84	11	65	95	4	156	96	50
¾" ; DN20	200(+0/-3)	84	17	75	105	4	156	96	50
1" ; DN25	200(+0/-3)	74	24	85	115	4	151	96	50
1¼" ; DN32	200(+0/-3)	83	31	100	140	4	155	96	50
1½" ; DN40	200(+0/-3)	88	37	110	150	4	158	96	50
2" ; DN50	200(+0/-3)	102	47	125	165	4	165	96	50
2½" ; DN65	200(+0/-3)	114	63	145	185	8	171	96	50
3" ; DN80	200(+0/-3)	127	75	160	200	8	177	96	50
4" ; DN100	250(+0/-3)	161	99	180	220	8	194	96	50
5" ; DN125	250(+0/-3)	187	124	210	250	8	207	96	50
6" ; DN150	300(+0/-3)	210	152	240	285	8	219	96	50
8" ; DN200	350(+0/-3)	261	201	295	340	8	244	96	50
10" ; DN250	450(+0/-5)	319	255	350	395	12	273	96	50
12" ; DN300	500(+0/-5)	371	308	400	445	12	299	96	50
14" ; DN350	550(+0/-5)	404	340	460	505	16	316	96	50
16" ; DN400	600(+0/-5)	455	390	515	565	16	341	96	50
18" ; DN450	450(+0/-7)	519	441	565	615	20	373	96	50
20" ; DN500	500(+0/-9)	570	492	620	670	20	399	96	50
24" ; DN600	600(+0/-9)	684	592	725	780	20	456	96	50
28" ; DN700	700(+0/-9)	783	695	840	895	24	505	96	50
32" ; DN800	800(+0/-9)	885	795	950	1015	24	556	96	50
36" ; DN900	900(+0/-15)	996	896	1050	1115	28	612	96	50
40" ; DN1000	1000(+0/-15)	1098	996	1160	1445	32	663	96	50
48" ; DN1200	1200(+0/-15)	1312	1199	1380	1230	28	770	96	50
56" ; DN1400	1400(+0/-15)	1512	1402	1590	1675	36	870	96	50
60" ; DN1500	1500(+0/-15)	1612	1500	1700	1785	36	920	96	50
64" ; DN1600	1600(+0/-15)	1712	1602	1820	1915	40	970	96	50
72" ; DN1800	1800(+0/-15)	1922	1803	2020	2115	44	1075	96	50
80" ; DN2000	2000(+0/-15)	2122	2004	2230	2325	48	1175	96	50



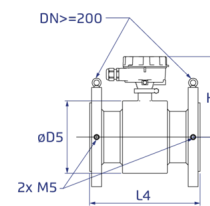
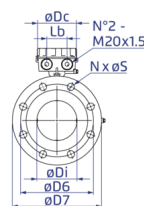
MUT2200EL PN 16 EN 1092-1



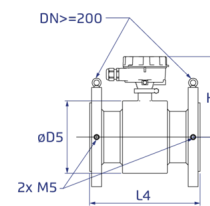
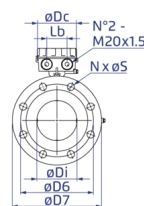
Size	L4 (mm)	D5 (mm)	Di (mm)	D6 (mm)	D7 (mm)	N	H (mm)	Dc (mm)	Lb (mm)
½" ; DN12	200(+0/-3)	84	11	65	95	4	156	96	50
¾" ; DN20	200(+0/-3)	84	17	75	105	4	156	96	50
1" ; DN25	200(+0/-3)	74	24	85	115	4	151	96	50
1¼" ; DN32	200(+0/-3)	83	31	100	140	4	155	96	50
1½" ; DN40	200(+0/-3)	88	37	110	150	4	158	96	50
2" ; DN50	200(+0/-3)	102	47	125	165	4	165	96	50
2½" ; DN65	200(+0/-3)	114	63	145	185	8	171	96	50
3" ; DN80	200(+0/-3)	127	75	160	200	8	177	96	50
4" ; DN100	250(+0/-3)	161	99	180	220	8	194	96	50
5" ; DN125	250(+0/-3)	187	124	210	250	8	207	96	50
6" ; DN150	300(+0/-3)	210	152	240	285	8	219	96	50
8" ; DN200	350(+0/-3)	261	201	295	340	8	244	96	50
10" ; DN250	450(+0/-5)	319	255	350	395	12	273	96	50
12" ; DN300	500(+0/-5)	371	308	400	445	12	299	96	50
14" ; DN350	550(+0/-5)	404	340	460	505	16	316	96	50
16" ; DN400	600(+0/-5)	455	390	515	565	16	341	96	50
18" ; DN450	450(+0/-7)	519	439	565	615	20	373	96	50
20" ; DN500	500(+0/-9)	570	490	620	670	20	399	96	50
24" ; DN600	600(+0/-9)	684	592	725	780	20	456	96	50
28" ; DN700	700(+0/-9)	783	691	840	895	24	505	96	50
32" ; DN800	800(+0/-9)	885	791	950	1015	24	556	96	50
36" ; DN900	900(+0/-15)	996	890	1050	1115	28	612	96	50
40" ; DN1000	1000(+0/-15)	1098	992	1160	1445	32	663	96	50
48" ; DN1200	1200(+0/-15)	1312	1191	1380	1230	28	770	96	50
56" ; DN1400	1400(+0/-15)	1512	1392	1590	1675	36	870	96	50
60" ; DN1500	1500(+0/-15)	1612	1492	1700	1785	36	920	96	50
64" ; DN1600	1600(+0/-15)	1712	1594	1820	1915	40	970	96	50
72" ; DN1800	1800(+0/-15)	1922	1795	2020	2115	44	1075	96	50
80" ; DN2000	2000(+0/-15)	2122	1994	2230	2325	48	1175	96	50



MUT2200EL PN 25 EN 1092-1



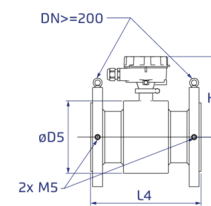
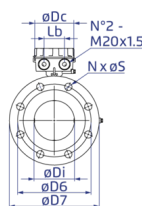
Size	L4 (mm)	D5 (mm)	Di (mm)	D6 (mm)	D7 (mm)	N	H (mm)	Dc (mm)	Lb (mm)
½" ; DN12	200(+0/-3)	84	11	65	95	4	156	96	50
¾" ; DN20	200(+0/-3)	84	17	75	105	4	156	96	50
1" ; DN25	200(+0/-3)	74	24	85	115	4	151	96	50
1¼" ; DN32	200(+0/-3)	83	31	100	140	4	155	96	50
1½" ; DN40	200(+0/-3)	88	37	110	150	4	158	96	50
2" ; DN50	200(+0/-3)	102	47	125	165	4	165	96	50
2½" ; DN65	200(+0/-3)	114	63	145	185	8	171	96	50
3" ; DN80	200(+0/-3)	127	75	160	200	8	177	96	50
4" ; DN100	250(+0/-3)	161	99	180	220	8	194	96	50
5" ; DN125	250(+0/-3)	187	124	210	250	8	207	96	50
6" ; DN150	300(+0/-3)	210	152	240	285	8	219	96	50
8" ; DN200	350(+0/-3)	261	201	295	340	8	244	96	50
10" ; DN250	450(+0/-5)	319	255	350	395	12	273	96	50
12" ; DN300	500(+0/-5)	371	306	400	445	12	299	96	50
14" ; DN350	550(+0/-5)	404	338	460	505	16	316	96	50
16" ; DN400	600(+0/-5)	455	386	515	565	16	341	96	50
18" ; DN450	450(+0/-7)	519	437	565	615	20	373	96	50
20" ; DN500	500(+0/-9)	570	488	620	670	20	399	96	50
24" ; DN600	600(+0/-9)	684	588	725	780	20	456	96	50
28" ; DN700	700(+0/-9)	783	685	840	895	24	505	96	50
32" ; DN800	800(+0/-9)	885	787	950	1015	24	556	96	50
36" ; DN900	900(+0/-15)	996	884	1050	1115	28	612	96	50
40" ; DN1000	1000(+0/-15)	1098	984	1210	1320	28	663	96	50
48" ; DN1200	1200(+0/-15)	1312	1181	-	-	-	770	96	50
56" ; DN1400	1400(+0/-15)	1512	1382	-	-	-	870	96	50
60" ; DN1500	1500(+0/-15)	1612	1482	-	-	-	920	96	50
64" ; DN1600	1600(+0/-15)	1712	1580	-	-	-	970	96	50
72" ; DN1800	1800(+0/-15)	1922	1783	-	-	-	1075	96	50
80" ; DN2000	2000(+0/-15)	2122	1978	-	-	-	1175	96	50


MUT2200EL PN 40 EN 1092-1


Size	L4 (mm)	D5 (mm)	Di (mm)	D6 (mm)	D7 (mm)	N	H (mm)	Dc (mm)	Lb (mm)
½" ; DN12	200(+0/-3)	84	11	65	95	4	156	96	50
¾" ; DN20	200(+0/-3)	84	17	75	105	4	156	96	50
1" ; DN25	200(+0/-3)	74	24	85	115	4	151	96	50
1¼" ; DN32	200(+0/-3)	83	31	100	140	4	155	96	50
1½" ; DN40	200(+0/-3)	88	37	110	150	4	158	96	50
2" ; DN50	200(+0/-3)	102	47	125	165	4	165	96	50
2½" ; DN65	200(+0/-3)	114	63	145	185	8	171	96	50
3" ; DN80	200(+0/-3)	127	75	160	200	8	177	96	50
4" ; DN100	250(+0/-3)	161	99	190	235	8	194	96	50
5" ; DN125	250(+0/-3)	187	124	220	270	8	207	96	50
6" ; DN150	300(+0/-3)	210	152	250	300	8	219	96	50
8" ; DN200	350(+0/-3)	261	195	320	375	12	244	96	50
10" ; DN250	450(+0/-5)	319	249	385	450	12	273	96	50
12" ; DN300	500(+0/-5)	371	302	450	515	16	299	96	50
14" ; DN350	550(+0/-5)	404	334	510	580	16	316	96	50
16" ; DN400	600(+0/-5)	455	382	585	660	16	341	96	50
18" ; DN450	450(+0/-7)	519	431	610	685	20	373	96	50
20" ; DN500	500(+0/-9)	570	480	670	755	20	399	96	50
24" ; DN600	600(+0/-9)	684	578	795	890	20	456	96	50
28" ; DN700	700(+0/-9)	783	677	-	-	-	505	96	50
32" ; DN800	800(+0/-9)	885	775	-	-	-	556	96	50
36" ; DN900	900(+0/-15)	996	872	-	-	-	612	96	50
40" ; DN1000	1000(+0/-15)	1098	970	-	-	-	663	96	50
48" ; DN1200	1200(+0/-15)	1312	1165	-	-	-	770	96	50
56" ; DN1400	1400(+0/-15)	1512	1364	-	-	-	870	96	50
60" ; DN1500	1500(+0/-15)	1612	1462	-	-	-	920	96	50
64" ; DN1600	1600(+0/-15)	1712	1560	-	-	-	970	96	50
72" ; DN1800	1800(+0/-15)	1922	1759	-	-	-	1075	96	50
80" ; DN2000	2000(+0/-15)	2122	1954	-	-	-	1175	96	50



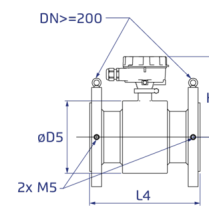
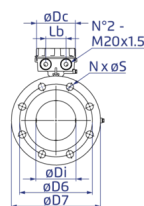
MUT2200EL ANSI 150



Size	L4 (mm)	D5 (mm)	Di (mm)	D6 (mm)	D7 (mm)	N	H (mm)	Dc (mm)	Lb (mm)
½" ; DN12	200(+0/-3)	84	11.3	60.3	90	4	156	96	50
¾" ; DN20	200(+0/-3)	84	17	69.9	100	4	156	96	50
1" ; DN25	200(+0/-3)	74	23.7	79.4	110	4	151	96	50
1¼" ; DN32	200(+0/-3)	83	31.4	88.9	115	4	155	96	50
1½" ; DN40	200(+0/-3)	88	37.3	98.4	125	4	158	96	50
2" ; DN50	200(+0/-3)	102	47.3	120.7	150	4	165	96	50
2½" ; DN65	200(+0/-3)	114	63	139.7	180	4	171	96	50
3" ; DN80	200(+0/-3)	127	75	152.4	190	4	177	96	50
4" ; DN100	250(+0/-3)	161	97.3	190.5	230	8	194	96	50
5" ; DN125	250(+0/-3)	187	121.7	216	225	8	207	96	50
6" ; DN150	300(+0/-3)	210	148.3	241.3	280	8	219	96	50
8" ; DN200	350(+0/-3)	261	195	298.5	345	8	244	96	50
10" ; DN250	450(+0/-5)	319	245	362	405	12	273	96	50
12" ; DN300	500(+0/-5)	371	308	431.8	485	12	299	96	50
14" ; DN350	550(+0/-5)	404	337.6	476.3	535	12	316	96	50
16" ; DN400	600(+0/-5)	455	386.4	539.8	595	16	341	96	50
18" ; DN450	450(+0/-7)	519	437.2	557.9	635	16	373	96	50
20" ; DN500	500(+0/-9)	570	488	635	700	20	399	96	50
24" ; DN600	600(+0/-9)	684	587.6	749.3	815	20	456	96	50
28" ; DN700	700(+0/-9)	783	687.2	863.6	927.1	28	505	96	50
32" ; DN800	800(+0/-9)	885	786.8	977.9	1060.4	28	556	96	50
36" ; DN900	900(+0/-15)	996	888.4	1085.9	1168.4	28	612	96	50
40" ; DN1000	1000(+0/-15)	1098	988	1200	1290	36	663	96	50
48" ; DN1200	1200(+0/-15)	1312	1187.2	1422.4	1511.1	44	770	96	50
56" ; DN1400	1400(+0/-15)	1512	1386.4	-	-	-	870	96	50
60" ; DN1500	1500(+0/-15)	1612	1484	1700	1785	36	920	96	50
64" ; DN1600	1600(+0/-15)	1712	1585.6	-	-	-	970	96	50
72" ; DN1800	1800(+0/-15)	1922	1786.8	-	-	-	1075	96	50
80" ; DN2000	2000(+0/-15)	2122	1986	-	-	-	1175	96	50



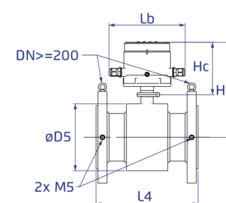
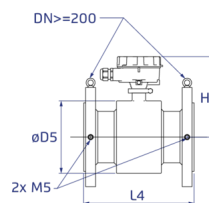
MUT2200EL ANSI 300



Size	L4 (mm)	D5 (mm)	Di (mm)	D6 (mm)	D7 (mm)	N	H (mm)	Dc (mm)	Lb (mm)
½" ; DN12	200(+0/-3)	84	11.3	66.7	95	4	156	96	50
¾" ; DN20	200(+0/-3)	84	17	82.6	115	4	156	96	50
1" ; DN25	200(+0/-3)	74	23.7	88.9	125	4	151	96	50
1¼" ; DN32	200(+0/-3)	83	31.4	98.4	135	4	155	96	50
1½" ; DN40	200(+0/-3)	88	37.3	114.3	155	4	158	96	50
2" ; DN50	200(+0/-3)	102	47.3	127	165	8	165	96	50
2½" ; DN65	200(+0/-3)	114	63	149.2	190	8	171	96	50
3" ; DN80	200(+0/-3)	127	75	168.3	210	8	177	96	50
4" ; DN100	250(+0/-3)	161	99.3	200	255	8	194	96	50
5" ; DN125	250(+0/-3)	187	121.7	235	280	8	207	96	50
6" ; DN150	300(+0/-3)	210	150.3	270	320	12	219	96	50
8" ; DN200	350(+0/-3)	261	195	330.2	380	12	244	96	50
10" ; DN250	450(+0/-5)	319	249	387.4	445	16	273	96	50
12" ; DN300	500(+0/-5)	371	300	450.8	520	16	299	96	50
14" ; DN350	550(+0/-5)	404	329.6	514.4	585	20	316	96	50
16" ; DN400	600(+0/-5)	455	378.4	571.5	650	20	341	96	50
18" ; DN450	450(+0/-7)	519	427.2	628.6	710	24	373	96	50
20" ; DN500	500(+0/-9)	570	476	685.8	775	24	399	96	50
24" ; DN600	600(+0/-9)	684	571.6	812.8	915	24	456	96	50
28" ; DN700	700(+0/-9)	783	671.2	-	-	-	505	96	50
32" ; DN800	800(+0/-9)	885	766.8	-	-	-	556	96	50
36" ; DN900	900(+0/-15)	996	864.4	-	-	-	612	96	50
40" ; DN1000	1000(+0/-15)	1098	962	-	-	-	663	96	50
48" ; DN1200	1200(+0/-15)	1312	1159.5	-	-	-	770	96	50
56" ; DN1400	1400(+0/-15)	1512	1352.4	-	-	-	870	96	50
60" ; DN1500	1500(+0/-15)	1612	1450	-	-	-	920	96	50
64" ; DN1600	1600(+0/-15)	1712	1547.6	-	-	-	970	96	50
72" ; DN1800	1800(+0/-15)	1922	1746.8	-	-	-	1075	96	50
80" ; DN2000	2000(+0/-15)	2122	1938	-	-	-	1175	96	50



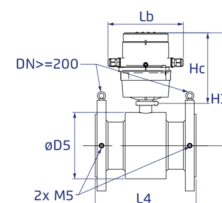
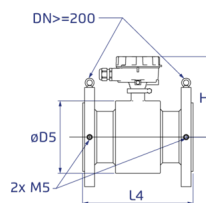
MUT2200EL-MC406



Size	H (mm)	H2 (mm)
½" ; DN12	156	190
¾" ; DN20	156	190
1" ; DN25	151	185
1¼" ; DN32	155	190
1½" ; DN40	158	192
2" ; DN50	165	199
2½" ; DN65	171	205
3" ; DN80	177	212
4" ; DN100	194	229
5" ; DN125	207	242
6" ; DN150	219	253
8" ; DN200	244	279
10" ; DN250	273	308
12" ; DN300	299	334
14" ; DN350	316	350
16" ; DN400	341	376
18" ; DN450	373	408
20" ; DN500	399	433
24" ; DN600	456	490
28" ; DN700	505	540
32" ; DN800	556	591
36" ; DN900	612	646
40" ; DN1000	663	697
48" ; DN1200	770	804
56" ; DN1400	870	904
60" ; DN1500	920	954
64" ; DN1600	970	1004
72" ; DN1800	1075	1109
80" ; DN2000	1175	1209

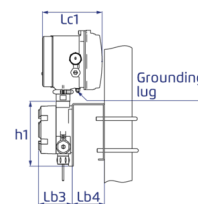
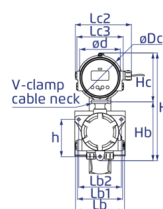


MUT2200EL-MC406 GSM



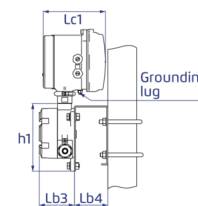
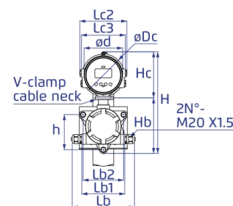
Size	H (mm)	H3 (mm)
½" ; DN12	156	236
¾" ; DN20	156	236
1" ; DN25	151	231
1¼" ; DN32	155	236
1½" ; DN40	158	238
2" ; DN50	165	245
2½" ; DN65	171	251
3" ; DN80	177	258
4" ; DN100	194	275
5" ; DN125	207	288
6" ; DN150	219	299
8" ; DN200	244	325
10" ; DN250	273	354
12" ; DN300	299	380
14" ; DN350	316	396
16" ; DN400	341	422
18" ; DN450	373	454
20" ; DN500	399	479
24" ; DN600	456	536
28" ; DN700	505	586
32" ; DN800	556	637
36" ; DN900	612	692
40" ; DN1000	663	743
48" ; DN1200	770	850
56" ; DN1400	870	950
60" ; DN1500	920	1000
64" ; DN1600	970	1050
72" ; DN1800	1075	1155
80" ; DN2000	1175	1255

MC406 Military connectors



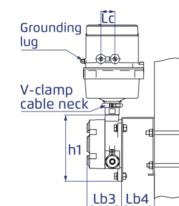
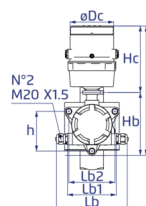
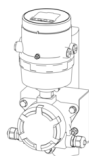
H (mm)	Hc (mm)	Lc1 (mm)	Lc2 (mm)	Lc3 (mm)	Dc (mm)	d (mm)	Hb (mm)	Lb (mm)	Lb1 (mm)	Lb2 (mm)	Lb3 (mm)	Lb4 (mm)	h (mm)	h1 (mm)	Weight (Kg)
296	134	130	155	128	123	112	161.5	136	125	118	73.5	70	102	141	0.6

MC406 Standard Separate



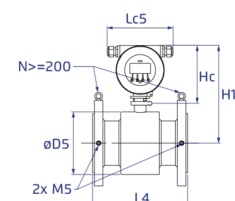
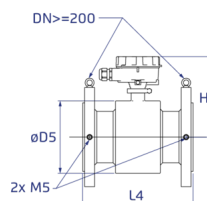
H (mm)	Hc (mm)	Lc1 (mm)	Lc2 (mm)	Lc3 (mm)	Dc (mm)	d (mm)	Hb (mm)	Lb (mm)	Lb1 (mm)	Lb2 (mm)	Lb3 (mm)	Lb4 (mm)	h (mm)	h1 (mm)	Weight (Kg)
296	134	130	128	137	123	112	161.5	181	125	118	73.5	70	102	141	0.6

MC406 Separate with GSM



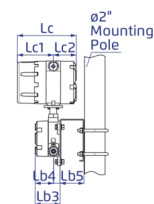
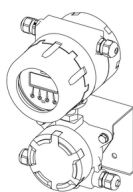
H (mm)	Hc (mm)	Lc (mm)	Dc (mm)	Hb (mm)	Lb (mm)	Lb1 (mm)	Lb2 (mm)	Lb3 (mm)	Lb4 (mm)	h (mm)	h1 (mm)	Weight (Kg)
332	170.5	30	112	161.5	181	125	118	73.5	70	102	141	0.9

MUT2200EL-MC608



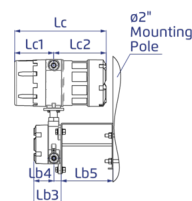
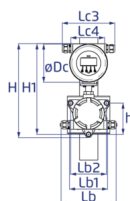
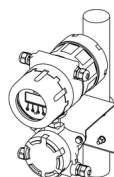
Size	H (mm)	H1 (mm)	Hc (mm)	Lc5 (mm)
½" ; DN12	156	195	150	171
¾" ; DN20	156	195	150	171
1" ; DN25	151	190	150	171
1¼" ; DN32	155	195	150	171
1½" ; DN40	158	197	150	171
2" ; DN50	165	204	150	171
2½" ; DN65	171	210	150	171
3" ; DN80	177	217	150	171
4" ; DN100	194	234	150	171
5" ; DN125	207	247	150	171
6" ; DN150	219	258	150	171
8" ; DN200	244	284	150	171
10" ; DN250	273	313	150	171
12" ; DN300	299	339	150	171
14" ; DN350	316	355	150	171
16" ; DN400	341	381	150	171
18" ; DN450	373	413	150	171
20" ; DN500	399	438	150	171
24" ; DN600	456	495	150	171
28" ; DN700	505	545	150	171
32" ; DN800	556	596	150	171
36" ; DN900	612	651	150	171
40" ; DN1000	663	702	150	171
48" ; DN1200	770	809	150	171
56" ; DN1400	870	909	150	171
60" ; DN1500	920	959	150	171
64" ; DN1600	970	1009	150	171
72" ; DN1800	1075	1114	150	171
80" ; DN2000	1175	1214	150	171

MC608A



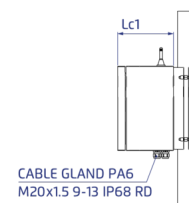
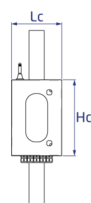
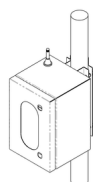
H (mm)	H1 (mm)	Lc (mm)	Lc1 (mm)	Lc2 (mm)	Lc3 (mm)	Lc4 (mm)	Dc (mm)	Lb (mm)	Lb1 (mm)	Lb2 (mm)	Lb3 (mm)	Lb4 (mm)	Lb5 (mm)	h (mm)
307	296	173	105.5	67.5	173	111	125	181	125	118	74	54	70	102

MC608B/R



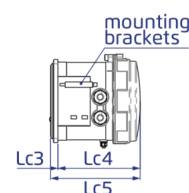
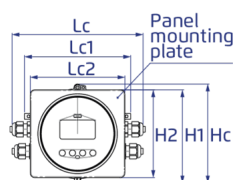
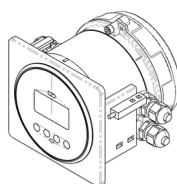
H (mm)	H1 (mm)	Lc (mm)	Lc1 (mm)	Lc2 (mm)	Lc3 (mm)	Lc4 (mm)	Dc (mm)	Lb (mm)	Lb1 (mm)	Lb2 (mm)	Lb3 (mm)	Lb4 (mm)	Lb5 (mm)	h (mm)
307	296	247	105.5	141.5	173	111	125	181	125	118	74	54	150	102

MC608I



Hc (mm)	Lc (mm)	Lc1 (mm)
300	200	200

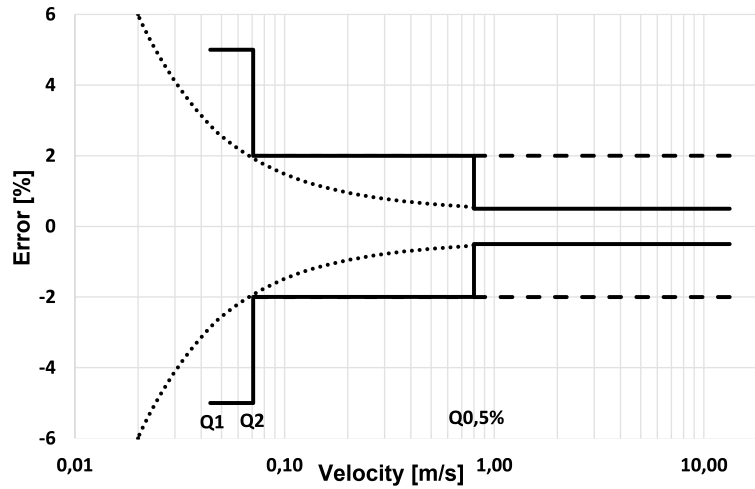
MC608P



H1 (mm)	H2 (mm)	Hc (mm)	Lc (mm)	Lc1 (mm)	Lc2 (mm)	Lc3 (mm)	Lc4 (mm)	Lc5 (mm)
127.5	120	135.5	180	146	130	10.5	119.5	130

Measuring Accuracy

Each flowmeter is standard wet calibrated under reference conditions by direct volume comparison. The performance of the flowmeter is defined and documented in an individual calibration certificate. Accuracy 0,2% +/- 2mm/s (0,2% +/- 1mm/s on request)



Flow Rate

Size Q @ (m³/h)	DN25 1"	DN32 1¼"	DN40 1½"	DN50 2"	DN65 2½"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"	DN250 10"	DN300 12"	DN350 14"	DN400 16"	DN450 18"
Q1 Minimum Flow	0.08	0.08	0.128	0.2	0.32	0.504	0.8	1.280	2	3.2	5.04	8	12.8	12.8	25
Q2 Transitional Flow	0.128	0.128	0.205	0.32	0.512	0.806	1.28	2.048	3.2	5.12	8.064	12.8	20.48	20.48	40
Q3 Permanent Flow	10	10	16	25	40	63	100	160	250	400	630	1000	1600	1600	2500
Q4 Maximum Flow (Short Time)	12.5	12.5	20	31.25	50	78.75	125	200	312.5	500	787.5	1250	2000	2000	3125

Size Q @ (m³/h)	DN500 20"	DN600 24"	DN700 28"	DN800 32"	DN900 36"	DN1000 40"	DN1200 48"	DN1400 56"	DN1500 60"	DN1600 64"	DN1800 72"	DN2000 80"
Q1 Minimum Flow	25	50	50	100	100	200	320	500	800	1260	2000	3200
Q2 Transitional Flow	40	80	80	160	160	320	512	800	1280	2016	3200	5120
Q3 Permanent Flow	2500	4000	4000	6300	6300	10000	16000	25000	40000	63000	100000	160000
Q4 Maximum Flow (Short Time)	3125	5000	5000	7875	7875	12500	20000	31250	50000	78750	125000	200000

Installation Recommendations

- The water meter can be installed in any orientation without interfering with metrological performance.
- The arrow on water meter body must be in the same direction with the flow.
- Prior to installation, flush the line to remove debris.
- The water meter must be filled with water to operate.

