

## Measuring devices

**Manometers**

page 1372

**Thermometers**

page 1378

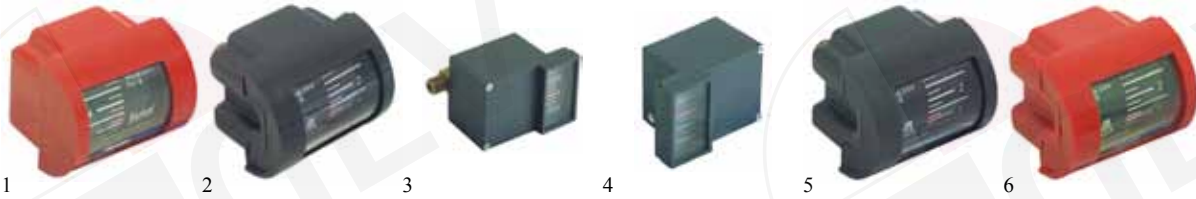


## manometers

for single Pressure range

built-in manometers

rectangular



No.	Part no.	Pressure range (bar)	TS	Colour	Suit. for	Equiv. no.
1	541236	0 to 3	1/4"	red	Gaggia Solenry	-
2	541237	0 to 3	1/4"	black	Gaggia Solenry	-
3	541241	0 to 3	1/8"	black	Gaggia	-

No.	Part no.	Pressure range (bar)	TS	Colour	Suit. for	Equiv. no.
4	541240	0 to 16	1/8"	black	Gaggia	-
5	541239	0 to 18	1/4"	black	Gaggia Solenry	-
6	541238	0 to 18	1/4"	red	Gaggia Solenry	-

round

group 1



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Marking	Suit. for	Equiv. no.
1	541528	40	0 to 1	-	-	Henkelman	0810101
2	541265	40	0 to 2.5	1/8"	-	Bezzera	7432501
3	541272	40	0 to 4	1/8"	-	Lasa	326728
4	541228	41	0 to 15	1/8"	7-8	Carimali Gaggia	- -
5	541511	41	0 to 2.5	1/8"	1.1	Vibiemme	MANMSEM
6	541258	41	0 to 3	1/8"	-	Azkoyen	-
7	541206	42	0 to 16	1/8"	12	Carimali Cimbali Faema	- 3781-133-399 3781118740



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Marking	Suit. for	Equiv. no.
8	541205	42	0 to 2.5	1/8"	2	Faema	3781118740
9	541261	44	0 to 2.5	1/8"	-	Astoria CMA Wega	21105 21105 WY21105
10	541229	44	0 to 3	1/8"	2	Carimali Gaggia	- -
11	541216	49	0 to 15	1/8"	7-8	Gaggia	-
12	541217	49.3	0 to 3	1/8"	2	Gaggia	3320024
13	541245	50	0 to 24	1/4"	8-10	Gaggia Italcrem	- -
14	541221	50	0 to 3	1/4"	1-1.25	San Marco	14-065



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Marking	Suit. for	Equiv. no.
15	541246	50	0 to 12	1/4"	2-2.4	Gaggia Italcrem	-
16	541290	51	0 to 16	1/8"	9	Reneka	541.290
17	541274	51	0 to 3	1/4"	-	Astoria Aurora Wega	21101 - WY21101
18	541225	51	0 to 3	1/4"	2	Astoria Aurora CMA Wega	21101 - 21101 WY21101
19	541289	51	0 to 3	1/8"	2.5	Reneka	-
20	541243	52	0 to 24	1/4"	8-10	Italcrem	-
21	541242	52	0 to 3	1/4"	1.1-1.3	Italcrem	-



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Marking	Suit. for	Equiv. no.
22	541244	52	0 to 3	1/4"	1.1-1.3	Gaggia Italcrem	-
23	541232	52	0 to 3	1/4"	2	Bezzera	7432509
24	541214	52	0 to 3	1/8"	-	Gaggia	3320022
25	541292	52	0 to 20	1/8"	-	Solenry	-
26	541637	53	0 to 15	1/8"	7-8	Gaggia	8G11
27	541281	53	0 to 20	1/4"	-	Futurmat	-
28	541212	57	0 to 2.5	1/8"	-	Cimbali	450-009-000



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Marking	Suit. for	Equiv. no.
29	541276	57	0 to 2.5	1/8"	1.6	Cimbali	-
30	541275	57	0 to 2.5	1/8"	1.6	Cimbali	-
31	541213	57	0 to 15	1/8"	8-10	Cimbali	496-246-000
32	541445	60	0 to 1	1/8"	-	-	-
33	541334	60	0 to 1	1/8"	0.5	Ambach Angelo-Po Baron Electrolux Silko Zanussi	3527217898 32V0940 41853310148 059515 0102491 059515
34	541064	60	0 to 1.6	1/4"	settable	Juno	-
35	541219	60	0 to 16	1/8"	8-10	Gaggia	-



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Marking	Suit. for	Equiv. no.
36	541231	60	0 to 3	1/4"	1-1.5	Bezzera	-
37	541286	60	0 to 3	1/8"	1.5	Pavoni	453004
38	541218	60	0 to 3	1/8"	1.5-2	Gaggia	-
39	541525	61	0 to 1	1/4"	-	Olis	6A022210
40	541427	62	0 to 1	1/4"	0.5	MKN	201106
41	541398	62	0 to 1	1/4"	0.5	Küppersbusch Thielmann	540421 144192
42	541339	62.4	0 to 1	1/8"	-	Electrolux Zanussi	0C0712 0C0712



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Marking	Suit. for	Equiv. no.
43	541336	63	0 to 1	1/4"	-	Electrolux Juno	0K1796 0K1796
44	541343	63	0 to 1.6	1/4"	0.5-1	Ascobloc Küppersbusch Tecsis	8151500 151500 1456.070.010
45	541099	63	-1.5 to +1.5	1/4"	1	MKN	201731
46	541250	72	0 to 3	1/4"	0.7-1	Marcfi-Ancas	-

## group 2



No.	Part no.	ø (mm)	Pressure range (bar)	Marking	TS	Suit. for	Equiv. no.
1	541268	58	0 to 2.5	1.3	1/8"	Brasilia	01833.2.00.08
2	541277	62	0 to 3	-	1/4"	Conti	-
3	541207	61	0 to 16	9	1/8"	Faema	-

## round with square face



No.	Part no.	ø (mm)	Pressure range (bar)	Marking	TS	Suit. for	Equiv. no.
1	541247	52	0 to 2	1.6	1/8"	Mairali	-
2	541248	52	0 to 3	1.6	1/8"	Faema	3320019
3	541282	52	0 to 3	1.5	1/4"	Faema	-
4	541283	52	0 to 3	1-1.5	1/4"	Gaggia	3320026
5	541284	52	0 to 15	6/7	1/4"	Gaggia Marcfi	- -
6	541230	53	0 to 2	1.4-2.0	1/8"	Carimali	-



**built-in manometers with front fixing**



No.	Part no.	ø (mm)	Pressure range (bar)	Marking	TS	Suit. for	Equiv. no.
1	541200	52	0 to 3	0.7-1	1/8"	Faema	3781135802
2	541201	53.5	0 to 16	-	1/8"	Faema	3781135801
3	541345	60	0 to 1.6	0.5-1	1/4"	Küppersbusch	358107
4	541337	60	-1.5 to +1.5	1.1	1/4"	Electrolux Juno	0H6495 0H6495
5	541355	63	0 to 1.6	1	1/4"	Electrolux Juno	0H6486 236112

**screw-in thermometers**



No.	Part no.	ø (mm)	Pressure range (bar)	Marking	TS	Suit. for	Equiv. no.
1	541508	40	0 to 4	-	1/8"	Angelo-Po	33D1680
2	541254	41	0 to 3	1.2-1.8	1/8"	Elektra	00398035
3	541253	42.3	0 to 3	1.6-2	1/8"	Elektra	00143035
4	541579	52	0 to 1	0.5	1/4"	Giga Whirlpool	E51000 483286009207
5	520270	62	0 to 16	-	1/4"	-	-
6	541278	62	0 to 16	9	1/4"	Conti	-
7	541062	63	0 to 1	settable	1/4"	Ambach Angelo-Po Bertos Electrolux Emmepi Fagor Foem Giga Icos ...	5027207356 32Z0060 31875700 017055 808347 9220815 05030033701 Y70700 10022 ...



No.	Part no.	ø (mm)	Pressure range (bar)	Marking	TS	Suit. for	Equiv. no.
8	541596	63	0 to 10	-	1/4"	Fagor	Z271125

for two Pressure ranges  
group 1



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Suit. for	Equiv. no.
1	541270	57	0-3 / 0-15	1/8"	Brasilia	01880.2.00.08
2	541287	60	0-2.5 / 0-15	1/8"	Astoria Aurora CMA La Spaziale Nuova Simonelli Pavoni Vibiemme Wega	- - W10790 - 09100003 - - -
3	541233	60	0-2.5 / 0-15	1/8"	Astoria Aurora La Spaziale Nuova Simonelli Pavoni Vibiemme Wega	- - - 09100003 - - -
4	541512	60	0-2.5 / 0-15	1/8"	Vibiemme	MANMDOTNVBM
5	541410	60	0-2.5 / 0-15	1/8"	Expobar La Spaziale Nuova Simonelli Vibiemme Wega	- - - - -
6	541227	60	0-2.5 / 0-16	1/8"	Astoria Aurora Expobar La Spaziale Nuova Simonelli Vibiemme Wega	- - - - - - -
7	541226	60	0-2.5 / 0-16	1/8"	Astoria Aurora La Spaziale Nuova Simonelli Pavoni Vibiemme Wega	21100 - - - - - W10790



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Suit. for	Equiv. no.
8	541578	60	0-2.5 / 0-16	1/8"	Crem Int. Expobar Mairali VFA Express	- - - -
9	541222	60	0-2.5 / 0-16	1/8"	Astoria Aurora La Spaziale Nuova Simonelli Pavoni Vibiemme Wega	- - - - - - -
10	541223	60	0-2.5 / 0-16	1/8"	Astoria CMA Wega	21100 21100 W10790
11	541264	60	0-2/0-16	1/8"	Elektra	02218035
12	541255	60	0-2/0-16	1/8"	Elektra	00985026



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Suit. for	Equiv. no.
13	541285	60	0-3 / 0-15	1/8"	Marzocco	-
14	541210	63	0-2.5 / 0-15	1/8"	Cimbali	-
15	541211	63	0-2.5 / 0-15	1/8"	Cimbali	421-127-000
16	541202	63	0-3 / 0-15	1/8"	Faema Marzocco	- L280
17	541262	63	0-3 / 0-15	1/8"	Astoria CMA Wega	21112 21112 WY21112
18	541220	63	0-3 / 0-15	1/8"	San Marco	1174
19	541293	67	0-3 / 0-15	1/4"	Solenry	-

## group 2



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Suit. for	Equiv. no.
1	541257	58	0-2.5 / 0-15	1/8"	Brasilia	06555.2.00.08
2	541269	58	0-2.5 / 0-15	1/8"	Brasilia	04971.2.00.08
3	541267	58	0-2.5 / 0-15	1/8"	Brasilia	05466.2.00.08
4	541256	58	0-3 / 0-15	1/8"	Brasilia La Spaziale	00737.2.00.08 -
5	541294	60	0-3.5/0-6	1/8"	Unic	-
6	541203	63	0-2.5 / 0-15	1/8"	Faema	3781132064
7	541288	63	0-2.5 / 0-15	1/8"	Pavoni	453006



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Suit. for	Equiv. no.
8	541224	63	0-2.5 / 0-15	1/8"	La Spaziale	-
9	541266	63	0-2.5 / 0-16	1/8"	Astoria Bezzera Wega	21109 7432502 WY21109
10	541513	63	0-2.5 / 0-16	1/8"	Vibiemme	MANMKO
11	541273	63	0-2.5 / 0-16	1/8"	Brasilia	06622.2.00.08
12	541263	63	0-2.5 / 0-16	1/8"	Astoria CMA	21109 21109
13	541279	63	0-2.5 / 0-25	1/8"	Astoria Bezzera Brasilia Unic	CON..80 5963037 06622.2.00.08 26-030
14	541612	63	0-3 / 0-15	1/4"	Marcfi-Ancas	-



No.	Part no.	ø (mm)	Pressure range (bar)	TS	Suit. for	Equiv. no.
15	541259	63	0-3 / 0-15	1/8"	Bezzera	5963037
16	541295	63	0-3.5/0-20	1/8"	Unic	-
17	541209	70	0-2.5 / 0-16	1/8"	Rancilio	35162501
18	541639	70	0-4 / 0-16	1/8"	-	-

test pressure gauge



1

No.	Part no.	Pressure range (bar)	ø (mm)	TS
1	802101	0 to 16	40	3/8"

**thermometers**

built-in thermometers  
analogue  
rectangular  
45x45mm



No.	Part no.	measurement range (°C)	Capillary pipe length (mm)	Probe ø (mm)	Probe length (mm)
1	541522	+40 to +120	5000	6	36

58x25.5mm



No.	Part no.	Measuring range (°C)	Capillary pipe length (mm)	Probe ø (mm)	Probe length (mm)
1	541670	-40 to +40	1500	6	35
2	541929	-40 to +40	700	6	85
3	541081	-40 to +40	1500	6	22
4	541193	-40 to +40	1500	6	60
5	541415	-40 to +40	2300	8.5	20
6	541080	-40 to +40	2500	6	30
7	541191	-40 to +40	2530	6	60
8	541052	0 to +90	720	8.4	32
9	541057	0 to +90	2500	8.4	58
10	541063	0 to +120	1500	6.5	23
11	501178	0 to +120	1500	10	35
12	541086	0 to +120	2000	6.5	16





No.	Part no.	Measuring range (°C)	Capillary pipe length (mm)	Probe ø (mm)	Probe length (mm)
13	541095	0 to +120	3000	6.5	20
14	541411	0 to +250	2100	6	200
15	541156	+20 to +100	1950	6.5	20
16	541085	+50 to +350	1000	6.5	13

62x11mm



No.	Part no.	Measuring range (°C)	Capillary pipe length (mm)	Probe ø (mm)	Probe length (mm)
1	541568	0 to +120	1500	6	32
2	541306	0 to +120	3000	6	20
3	541305	+20 to +120	1500	6.5	16
4	541300	+20 to +140	3500	6.5	15
5	541301	+70 to +290	3500	6.5	15

round  
ø40mm

No.	Part no.	Measuring range (°C)	Capillary pipe length (mm)	Probe ø (mm)	Probe length (mm)
1	541037	0 to +120	2000	6.5	25

ø52mm



No.	Part no.	Measuring range (°C)	Capillary pipe length (mm)	Probe ø (mm)	Probe length (mm)
1	541083	-40 to +40	1500	6	30
2	541518	0 to +120	1000	8.5	33
3	541521	0 to +120	1000	8.5	33
4	541413	0 to +120	1500	6	36
5	541204	0 to +120	1500	6	40
6	541065	0 to +120	1500	6.5	28
7	541452	0 to +250	1500	6	36
8	580016	+40 to +175	1800	11	67
9	541347	+50 to +350	1000	4	60
10	541077	+50 to +350	1000	6	30
11	541090	+50 to +350	1500	6.5	25



No.	Part no.	Measuring range (°C)	Capillary pipe length (mm)	Probe ø (mm)	Probe length (mm)
12	541582	+50 to +350	1700	6	17
13	541303	+150 to +200	1370	4	75

ø60mm



No.	Part no.	Measuring range (°C)	Capillary pipe length (mm)	Probe ø (mm)	Probe length (mm)
1	541084	-40 to +40	1500	6	30
2	541082	-40 to +40	2000	6	135
3	541055	0 to +55	2500	6	13
4	541056	0 to +85	2500	6	13
5	541409	0 to +120	720	8.5	15
6	541091	0 to +120	1500	6.5	28
7	541412	0 to +250	2200	6	360
8	541399	0 to +350	1500	6.5	20
9	541054	0 to +500	700	8	54
10	379855	+50 to +350	1030	6	20
11	541092	+50 to +350	1500	6.5	28

digital  
battery powered



No.	Part no.	Mounting dimensions (mm)	Measuring range (°C)	Cable length (mm)	battery compartment
1	379258	47x27	-50 to +70	1000	rear
2	378099	51x25	-50 to +150	1000	rear
3	379604	51x25	-50 to +300	1000	rear
4	379602	58x25.5	0 to +150	1500	rear
5	379259	58x25.5	-50 to +70	1500	front
6	379752	58x25.5	to +100	2200	front
7	378100	58x32	-50 to +150	1000	rear



No.	Part no.	Mounting dimensions (mm)	Measuring range (°C)	Cable length (mm)	battery compartment
8	379603	58x32	-50 to +300	1000	rear
9	378101	76x39.5	-50 to +70	1600	rear

external power supply  
57x30mm



1

No.	Part no.	Measuring range (°C)	Voltage (V)	Probe length (mm)	Probe $\phi$ (mm)	Cable length (mm)
1	402058	0 to +99	220	40	6	2900

58x25.5mm  
AKO



No.	Part no.	Measuring range (°C)	Voltage (V)	Voltage Type	Measuring input	Type
1	379359	-55 to +99	12	AC	NTC	13012
2	379366	-55 to +99	230	AC	NTC	13023

DIXELL



1

No.	Part no.	Measuring range (°C)	Voltage (V)	Voltage Type	Measuring input	Type
1	378046	0 to +60	24	AC/DC	NTC	XT11S

EVERY CONTROL



No.	Part no.	Measuring range (°C)	Voltage (V)	Voltage Type	Measuring input	Type
1	379900	-40 to +110	24	AC	NTC	TM103T N4
2	400754	-40 to +110	230	AC	NTC	TM103T N7

66.5x49.5mm



1

No.	Part no.	Measuring range (°C)	Voltage (V)	Measuring input	Cable length (mm)	Product detail
1	379262	0 to +250	230	NTC	1450	probe included

68.5x28.5mm



1

No.	Part no.	Measuring range (°C)	Voltage (V)	Voltage Type	Measuring input	Producer	Type
1	379992	-99 to +199	12/24	AC/DC	PT100	STÖRK-TRONIK	ST70-01.10

71x29mm  
AKO



No.	Part no.	Measuring range (°C)	Voltage (V)	Voltage Type	Measuring input	Product detail	Type
1	379316*	-50 to +99	230	AC	NTC	probe included	14023
2	379315*	-50 to +150	12/24	AC/DC	NTC/PTC	probe included	14012

1 x PTC probe included

ELIWELL



No.	Part no.	Measuring range (°C)	Voltage (V)	Voltage Type	Measuring input	Type
1	379545	-50 to +140	12	AC/DC	NTC/PTC	EM300
2	378198	-200 to 800	12	AC/DC	PT100/TC J/K	EM300LX

EVERY CONTROL



1

No.	Part no.	Measuring range (°C)	Voltage (V)	Voltage Type	Measuring input	Type
1	378247	-200 to 1300	230	AC	PTC/NTC/PT100+1000/TC-J+K	EVK100M7

TECNOLOGIC



No.	Part no.	Measuring range (°C)	Voltage (V)	Voltage Type	Measuring input	Type
1	379203	-200 to 1760	12	AC/DC	TC (J,K,S)/Pt100	TLV38FC
2	379631	-55 to 1760	12	AC/DC	PTC/NTC/TC/mV	TLV38FE
3	379200	-50 to +150	12	AC/DC	NTC/PTC	TLV10F
4	379201	-50 to +150	230	AC	NTC/PTC	TLV10H



76x39.5mm



1

No.	Part no.	Measuring range (°C)	Voltage (V)	Measuring input	Version	Type	Cable length (mm)	Probe length (mm)	Probe ø (mm)
1	378102	-40 to +70	12	NTC	probe included	TPM-100	3000	17	5

## accessories

## Sensors



No.	Part no.	Sensor Type	Cable length (mm)	Probe length (mm)	Probe ø (mm)	cable
1	379160	NTC	1500	14	6	synthetic coating
2	379169	NTC	2000	14	6	synthetic coating
3	379161	NTC	3000	14	6	synthetic coating
4	379162	NTC	6000	15	6	synthetic coating
5	379050	PT100	3000	100	6	fibreglass SS braiding
6	379058	PT100	3000	100	6	silicone
7	379052	PTC	1500	30	6	silicone
8	379637	PTC	2000	35	6	synthetic coating
9	379053	PTC	3000	30	6	PVC
10	379064	PTC	3000	30	6	silicone
11	379063	thermocouple J	1900	50	6	fibreglass SS braiding
12	379062	thermocouple J	3000	50	4	fibreglass SS braiding
13	379051	thermocouple J	3000	100	6	fibreglass SS braiding

## transformers



1

No.	Part no.	Power (VA)	Primary Voltage (V)	Secondary Voltage (V)	Freq. (Hz)
1	379054	3	230	12	50
2	400583	10	230	24	50

## solar powered



1

No.	Part no.	Mounting ø (mm)	Measuring range (°C)	Version	Cable length (mm)	Probe length (mm)	Probe ø (mm)
1	378098	52	-50 to +70	probe included	1500	32	5

temperature meters

infrared



1

No.	Part no.	Measurement unit	Measuring range (°C)
1	800305	°C/°F	-20 to 520

with interchangeable probe meters



1

2

No.	Part no.	Version	Measurement unit	Measuring range (°C)	Sensor
1	800106	incl. wire Sensor	°C/°F	-50 to 1300	K
2	800190	without Sensor	°C	-50 to 1150	K

sets



1

2

3

No.	Part no.	Delivery program	Measurement unit	Measuring range (°C)	Sensor
1	800123	meter/wire Sensor, plunge Sensor	°C/°F	-50 to 1300	K
2	800115	meter/wire-, surface-, plunge Sensor	°C/°F	-50 to 1300	K
3	800118	multimeter/ surface-, plunge Sensor/plug set	°C	-20 to +1000	K

accessories

cases



1

No.	Part no.	Usage	Measures (mm)
1	800116	for temperature measuring device	340x270x80

temperature sensors  
budget



No.	Part no.	Description	Cable length (mm)
1	800193	liquids Sensor Sensor Type K -50 to +1000°C	1000
2	800192	surface Sensor Sensor Type K -50 to +450°C	1000
3	800191	plunge Sensor Sensor Type K -50 to +550°C	1000

wire Sensors



No.	Part no.	Sensor Type	Temperature range (°C)	Response time	Cable length (mm)
1	800110	K	-50 to +400	5	900

with spiral cable



No.	Part no.	Description	Cable length (mm)
1	800112	plunge Sensor Sensor Type K -50 to +600°C	1300
2	800108	surface Sensor Sensor Type K -50 to +1000°C	1400

with integrated Sensor



1

2

No.	Part no.	Measurement unit	Measuring range (°C)	Sensor	Probe length (mm)
1	802116	°C/°F	-50 to +300	penetration probe	105
2	800003	°C/°F	-50 to +300	penetration probe	140

with penetration sensor



No.	Part no.	display	Measuring range (°C)	Probe length (mm)
1	541097	analogue	-10 to 100	120
2	802028	analogue	-10 to 100	130
3	541634	digital	-50 to +300	85
4	541636	digital	-50 to +300	115

No.	Part no.	display	Measuring range (°C)	Probe length (mm)
5	541087	digital	-50 to +300	120
6	541096	digital	-50 to +300	120
7	541635	digital	-50 to +300	120

other



No.	Part no.	Measuring range (°C)	L (mm)	B (mm)	ø (mm)
1	541093	-30 to +30	-	-	60
2	541098	-30 to +50	-	-	52

No.	Part no.	Measuring range (°C)	L (mm)	B (mm)	ø (mm)
3	541094	-40 to +25	124	30	-