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Anton Paar ProveTec Thermometers

This document shows which thermometers can be used for the Anton Paar ProveTec instruments.

Due to government regulations mercury filled thermometers are no longer available since October 2017.

They had to be replaced by mercury-free thermometers which are not stated in the standards yet but have a similar size and behavior. All thermometers have been tested for the mentioned instrument.

For detailed information please refer to the Product Description List of the respective instrument.

Please note that material numbers and specifications are subject to change.

1.1 ASTM & IP

Type		Range : Scale	Specification	Instrument <i>(discontinued)</i>	Mat. No. Hg free	Mat. No. Hg filled <i>(discontinued)</i>
ASTM	IP					
2C		-5...+300 °C :1 °C		BPA 5 (BPM 5)	180116	106997
3C		-5...+400 °C :1 °C		GUM	179936	106972
3C		-5...+400 °C :1 °C	official certificate (3 checkpoints)	GUM	179937	106973
5C	1C	-38...+50 °C :1 °C		Callisto 100, CAPP, CFPP	186839	109373
5C	1C	-38...+50 °C :1 °C	official certificate (3 checkpoints)	Callisto 100, CAPP, CFPP	186840	126265
6C	2C	-80...+20 °C :1 °C		Callisto 100, CAPP, CFPP	109374	
6C	2C	-80...+20 °C :1 °C	official certificate	Callisto 100, CAPP, CFPP	106983	
7C	5C	-2...+300 °C :1 °C		ADU 5, ADU 4, ADU 4+, DU	187501	106960
7C	5C	-2...+300 °C :1 °C	official certificate (5 checkpoints)	ADU 5, ADU 4, ADU 4+, DU	187502	106961
11C	28C	-6...+400 °C :2 °C		CL 4, CL 5	187622	109321
11C	28C	-6...+400 °C :2 °C	official certificate (5 checkpoints)	CLA 5	187245	122254
12C	64C	-20...+102 °C :0.2 °C	works certificate	Foam Test	179935	106980
12C	64C	-20...+102 °C :0.2 °C	official certificate (13 checkpoints)	Foam Test	187621	123684
19C		+49...+57 °C :0.1 °C	works certificate	DH 5	179928	109429
19F		+120...+134 °F :0.2 °F	works certificate	DH 5	179930	132441
21C		+79...+87 °C :0.1 °C	works certificate	DH 5	179929	109431
21F		+174...+188 °F :0.2 °F	works certificate	DH 5	179931	132442
22C	24C	+95...+103 °C :0.1 °C	works certificate	OBA 1	179932	109432

Type		Range : Scale	Specification	Instrument <i>(discontinued)</i>	Mat. No. Hg free	Mat. No. Hg filled <i>(discontinued)</i>
ASTM	IP					
41C	81C	+98...+152 °C :0.2 °C	works certificate	Foam Test	179933	106959
63C		-8...+32 °C :0.1 °C		PNR 12	178336	128374
63C		-8...+32 °C :0.1 °C	official certificate (5 checkpoints)	PNR 12	178335	128410
64C		+25...+55 °C :0.1 °C		PNR 12	181631	109433
	2C	-80...+20 °C :1 °C	official certificate, collar	ABA 4	106966	
	38C	+23...+27 °C :0.1 °C		PNR 12	178331	129211
	38C	+23...+27 °C :0.1 °C	official certificate (3 checkpoints)	PNR 12	178332	129228
	42C	-38...+30 °C :0.5 °C	official certificate (3 checkpoints)	BPA 5	178334	130701
	74C	-35...+70 °C :0.5 °C	official certificate (3 checkpoints), collar (distance to tip 65 mm)	ABA 4	187239	106965

Table 1: ASTM & IP thermometer types

1.2 Others

Type	Range : Scale	Specification	Instrument <i>(discontinued)</i>	Mat. No. Hg free	Mat. No. Hg filled <i>(discontinued)</i>
DIN 12775	0...+50 °C :0.1 °C			178333	130700
DIN 12775	0...+50 °C :0.1 °C	official certificate (4 checkpoints)	DDA 3	178330	106187
DIN 12786	0...+125 °C :1 °C		<i>Copper Strip</i>	187623	106979
	-2...+102 °C :0.5 °C		PNR 12, DDA 3 (for Bath DP)	180375	106955
Digital	-50...+400 °C :0.1 °C	official certificate (8 checkpoints at 0, 35, 70, 100, 105, 200, 300, 370 °C), Pt100 collar (distance to tip 62 mm)	PM 4	190537	ASTM 9C, ASTM 10C (107001)
Digital	-50...+400 °C :0.1 °C	official certificate (8 checkpoints at 0, 35, 70, 100, 105, 200, 300, 370 °C), (Pt100 collar required)	PMA 5, PMA 4 SC	189255	ASTM 9C, ASTM 10C
Digital	-50...+400 °C :0.1 °C	official certificate (7 checkpoints at -20, 0, 25, 35, 50, 70, 105 °C), (Pt100 collar required)	TAG 4	189976	ASTM 9C, ASTM 57C

Table 2: Other thermometer types

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