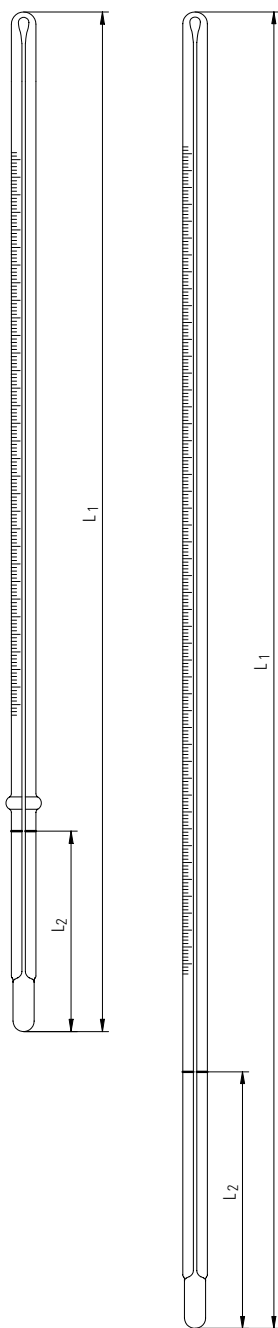


ASTM precision thermometers



Precision thermometers acc. to ASTM, for mineral oil and fuel testing,
stem type, capillary form: yellow back round, suitable for official certification,
 suitable metal ferrules see page 12

Type	Description	Measuring range	Scale	Filling	Immer- sion L ₂	Total length L ₁	Ref. No.	Sensor Pt100 ²	
ASTM IP			°C/°F		mm	mm			
1 C	—	Partial Immersion	-20 +150	1 °C	Hg	76	317	1202001 ¹	59270
1 F	—	Partial Immersion	0 +302	2 °F	Hg	76	317	1205001 ¹	59270
2 C	62 C	Partial Immersion	-5 +300	1 °C	Hg	76	385	1202002	59270
2 F	62 F	Partial Immersion	+20 +580	2 °F	Hg	76	385	1205002	59270
3 C	73 C	Partial Immersion	-5 +400	1 °C	Hg	76	410	1202003	—
3 F	73 F	Partial Immersion	+20 +760	2 °F	Hg	76	410	1205003	—
5 C	1 C	Cloud and Pour	-38 +50	1 °C	Hg	108	225	1202005 ¹	59265
5 F	1 F	Cloud and Pour	-36 +120	2 °F	Hg	108	225	1205005 ¹	59265
6 C	2 C	Low Cloud and Pour	-80 +20	1 °C	Toluene	76	225	1202006 ¹	—
6 F	2 F	Low Cloud and Pour	-112 +70	2 °F	Toluene	76	225	1205006 ¹	—
7 C	5 C	Low Distillation	-2 +300	1 °C	Hg	total	380	1202007	59265
7 F	—	Low Distillation	+30 +580	2 °F	Hg	total	380	1205007	59265
8 C	6 C	High Distillation	-2 +400	1 °C	Hg	total	380	1202008	59265
8 F	—	High Distillation	+30 +760	2 °F	Hg	total	380	1205008	59265
9 C	15 C	Low-Pensky-Martens	-5 +110	0.5 °C	Hg	57	285	1202009	59270
9 F	15 F	Low-Pensky-Martens	+20 +230	1 °F	Hg	57	285	1205009	59270
10 C	16 C	High-Pensky-Martens	+90 +370	2 °C	Hg	57	285	1202010	—
10 F	16 F	High-Pensky-Martens	+200 +700	5 °F	Hg	57	285	1205010	—
11 C	28 C	Cleveland Open Flash	-6 +400	2 °C	Hg	25	305	1202011	—
11 F	28 F	Cleveland Open Flash	+20 +760	5 °F	Hg	25	305	1205011	—
12 C	64 C	Density-Wide Range	-20 +102	0.2 °C	Hg	total	415	1202012 ¹	59265
12 F	64 F	Density-Wide Range	-5 +215	0.5 °F	Hg	total	415	1205012 ¹	59265
13 C	47 C	Loss on Heat	+155 +170	0.5 °C	Hg	total	150	1202013 ¹	59265
14 C	17 C	Wax Melting Point	+38 +82	0.1 °C	Hg	79	370	1202014 ¹	59270
14 F	17 F	Wax Melting Point	+100 +180	0.2 °F	Hg	79	370	1205014 ¹	59270
15 C	60 C	Low Softening Point	-2 +80	0.2 °C	Hg	total	390	1202015 ¹	59265
15 F	—	Low Softening Point	+30 +180	0.5 °F	Hg	total	390	1205015 ¹	59265
16 C	61 C	High Softening Point	+30 +200	0.5 °C	Hg	total	390	1202016 ¹	59265
16 F	—	High Softening Point	+85 +392	1 °F	Hg	total	390	1205016 ¹	59265
17 C	—	Saybolt Viscosity	+19 +27	0.1 °C	Hg	total	270	1202017	59265
17 F	—	Saybolt Viscosity	+66 +80	0.2 °F	Hg	total	270	1205017	59265
18 C	23 C	Reid Vapor Pressure	+34 +42	0.1 °C	Hg	total	270	1202018	59265
18 F	23 F	Reid Vapor Pressure	+94 +108	0.2 °F	Hg	total	270	1205018	59265
19 C	—	Saybolt Viscosity	+49 +57	0.1 °C	Hg	total	270	1202019	59265
19 F	—	Saybolt Viscosity	+120 +134	0.2 °F	Hg	total	270	1205019	59265
20 C	—	Saybolt Viscosity	+57 +65	0.1 °C	Hg	total	270	1202020	59265
20 F	—	Saybolt Viscosity	+134 +148	0.2 °F	Hg	total	270	1205020	59265
21 C	—	Saybolt Viscosity	+79 +87	0.1 °C	Hg	total	270	1202021	59265
21 F	—	Saybolt Viscosity	+174 +188	0.2 °F	Hg	total	270	1205021	59265
22 C	24 C	Oxidation Stability	+95 +103	0.1 °C	Hg	total	270	1202022	59265
22 F	24 F	Oxidation Stability	+204 +218	0.2 °F	Hg	total	270	1205022	59265

Additional Order No.
/01 Officially calibrated without
 certificate
/02 Officially calibr. with cert.
/03 With works certificate
/04 With DAkkS calibration cert.
/80 Safety coating
 (PTFE coated up to 200 °C/400 °F)

² Optional mercury-free measuring: digital measuring devices and suitable precise temperature sensors see pages 4/5

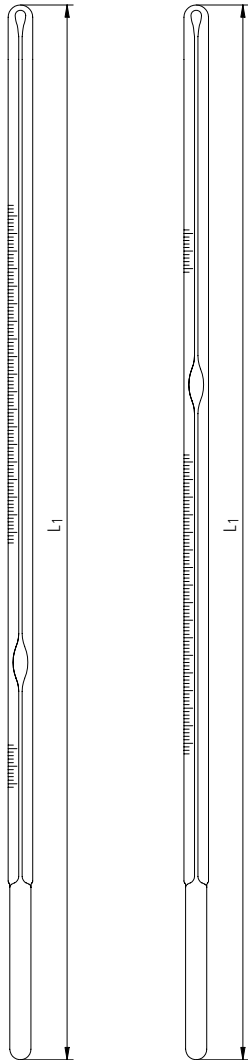
ASTM precision thermometers

Precision thermometers acc. to ASTM, for mineral oil and fuel testing,
stem type, capillary form: yellow back round, suitable for official certification

Type	Description	Measuring range	Scale	Aux. scale °C/°F	Filling	Immersion L ₂ mm	Total length L ₁ mm	Ref. No.	Sensor Pt100 ²
ASTM IP			°C/°F	°C/°F					
23 C	— Engler Viscosity	+18 +28	0.2 °C	—	Hg	90	207	1202023 ¹	59270
24 C	— Engler Viscosity	+39 +54	0.2 °C	—	Hg	90	232	1202024 ¹	59270
25 C	— Engler Viscosity	+95 +105	0.2 °C	—	Hg	90	207	1202025 ¹	59270
26 C	— Stability Test of Soluble Nitrocellulose	+130 +140	0.1 °C	—	Hg	total	458	1202026 ¹	59265
27 C	— Turpentine Distillation	+147 +182	0.5 °C	—	Hg	76	296	1202027 ¹	59270
28 C	31 C Kinematic Viscosity	+36.6 +39.4	0.05 °C	0 °C	Hg	total	300	1202028 ¹	59265
28 F	31 F Kinematic Viscosity	+97.5 +102.5	0.1 °F	32 °F	Hg	total	300	1205028 ¹	59265
29 C	34 C Kinematic Viscosity	+52.6 +55.4	0.05 °C	0 °C	Hg	total	300	1202029 ¹	59265
29 F	34 F Kinematic Viscosity	+127.5 +132.5	0.1 °F	32 °F	Hg	total	300	1205029 ¹	59265
30 F	32 F Kinematic Viscosity	+207.5 +212.5	0.1 °F	32 °F	Hg	total	300	1205030 ¹	59265
33 C	20 C Low Aniline Point	-38 +42	0.2 °C	—	Hg	50	415	1202033 ¹	59270
33 F	— Low Aniline Point	-36.5 +107.5	0.5 °F	—	Hg	50	415	1205033 ¹	59270
34 C	21 C Medium Aniline Point	+25 +105	0.2 °C	—	Hg	50	415	1202034 ¹	59270
34 F	— Medium Aniline Point	+77 +221	0.5 °F	—	Hg	50	415	1205034 ¹	59270
35 C	59 C High Aniline Point	+90 +170	0.2 °C	—	Hg	50	415	1202035 ¹	59270
35 F	— High Aniline Point	+194 +338	0.5 °F	—	Hg	50	415	1205035 ¹	59270
36 C	— Titer Test	-2 +68	0.2 °C	—	Hg	45	400	1202036 ¹	59270
37 C	77 C Solvents Distillation	-2 +52	0.2 °C	—	Hg	100	390	1202037 ¹	59265
38 C	78 C Solvents Distillation	+24 +78	0.2 °C	—	Hg	100	390	1202038 ¹	59265
39 C	79 C Solvents Distillation	+48 +102	0.2 °C	—	Hg	100	390	1202039 ¹	59265
40 C	80 C Solvents Distillation	+72 +126	0.2 °C	—	Hg	100	390	1202040 ¹	59265
41 C	81 C Solvents Distillation	+98 +152	0.2 °C	—	Hg	100	390	1202041 ¹	59265
42 C	82 C Solvents Distillation	+95 +255	0.5 °C	—	Hg	100	390	1202042	59265
43 C	65 C Kinematic Viscosity	-51.6 -34	0.1 °C	0 °C	Hg	total	410	1202043 ¹	59265
43 F	65 F Kinematic Viscosity	-61 -29	0.2 °F	32 °F	Hg-TL	total	410	1205043 ¹	59265
44 C	29 C Kinematic Viscosity	+18.6 +21.4	0.05 °C	0 °C	Hg	total	300	1202044 ¹	59265
44 F	29 F Kinematic Viscosity	+66.5 +71.5	0.1 °F	32 °F	Hg	total	300	1205044 ¹	59265
45 C	30 C Kinematic Viscosity	+23.6 +26.4	0.05 °C	0 °C	Hg	total	300	1202045 ¹	59265
45 F	30 F Kinematic Viscosity	+74.5 +79.5	0.1 °F	32 °F	Hg	total	300	1205045 ¹	59265
46 C	66 C Kinematic Viscosity	+48.6 +51.4	0.05 °C	0 °C	Hg	total	300	1202046 ¹	59265
46 F	66 F Kinematic Viscosity	+119.5 +124.5	0.1 °F	32 °F	Hg	total	300	1205046 ¹	59265
47 C	35 C Kinematic Viscosity	+58.6 +61.4	0.05 °C	0 °C	Hg	total	300	1202047 ¹	59265
47 F	35 F Kinematic Viscosity	+137.5 +142.5	0.1 °F	32 °F	Hg	total	410	1205047 ¹	59265
48 C	90 C Kinematic Viscosity	+80.6 +83.4	0.05 °C	0 °C	Hg	total	300	1202048 ¹	59265
48 F	90 F Kinematic Viscosity	+177.5 +182.5	0.1 °F	32 °F	Hg	total	300	1205048 ¹	59265
49 C	— Stormer Viscosity	+20 +70	0.2 °C	—	Hg	65	300	1202049 ¹	59270
50 C	— Gas Calorimeter Inlet	+12.2 +38.3	0.05 °C	—	Hg	total	463	1202050 ¹	59265
50 F	— Gas Calorimeter Inlet	+54 +101	0.1 °F	—	Hg	total	463	1205050 ¹	59265
51 F	— Gas Calorimeter Outlet	+69 +116	0.1 °F	—	Hg	total	463	1205051 ¹	59265
52 C	— Butadiene Boiling Point Range	-10 +5	0.1 °C	—	Hg	total	157	1202052 ¹	59265
53 C	— Benzene Freezing Point	-0.6 +10.4	0.1 °C	—	Hg	total	189	1202053 ¹	59265

² Optional mercury-free measuring: digital measuring devices and suitable precise temperature sensors see pages 4/5

ASTM precision thermometers



Precision thermometers acc. to ASTM, for mineral oil and fuel testing,

stem type, capillary form: yellow back round, (³ yellow back prismatic), suitable for official certification, suitable scoop sampler see page 12

Type	Description	Measuring range	Scale °C/°F	Aux. scale °C/°F	Filling	Immersion L ₂ mm	Total length L ₁ mm	Ref. No.	Sensor Pt100 ²
ASTM IP									
54 C	18 C Congealing Point	+20 +100.6	0.2 °C	—	Hg	total	305	1202054 ¹	59265
54 F	18 F Congealing Point	+68 +213	0.5 °F	—	Hg	total	305	1205054 ¹	59265
56 C	— Bomb Calorimeter	+19 +35	0.02 °C	—	Hg	total	570	1202056 ¹	59265
56 F	— Bomb Calorimeter	+66 +95	0.05 °F	—	Hg	total	570	1205056 ¹	59265
57 C	— Tag Closed Tester, Low Range	-20 +50	0.5 °C	—	Hg	57	282	1202057 ¹	59270
57 F	— Tag Closed Tester, Low Range	-4 +122	1 °F	—	Hg	57	282	1205057 ¹	59270
58 C	— Tank	-34 +49	0.5 °C	—	Hg	total	300	1202058 ³	59265
58 F	— Tank	-30 +120	1 °F	—	Hg	total	300	1205058 ³	59265
59 C	— Tank	-18 +82	0.5 °C	—	Hg	total	300	1202059 ³	59265
59 F	— Tank	0 +180	1 °F	—	Hg	total	300	1205059 ³	59265
60 C	— Tank	+77 +260	1 °C	—	Hg	total	300	1202060 ³	59265
60 F	— Tank	+170 +500	2 °F	—	Hg	total	300	1205060 ³	59265
61 C	63 C Petrolatum Melting Point	+32 +127	0.2 °C	—	Hg	79	375	1202061 ¹	59270
61 F	— Petrolatum Melting Point	+90 +260	0.5 °F	—	Hg	79	375	1205061 ¹	59270
62 C	— Precision	-38 +2	0.1 °C	—	Hg	total	374	1202062 ¹	59265
62 F	— Precision	-36 +35	0.2 °F	—	Hg	total	374	1205062 ¹	59265
63 C	— Precision	-8 +32	0.1 °C	—	Hg	total	374	1202063 ¹	59265
63 F	— Precision	+18 +89	0.2 °F	—	Hg	total	374	1205063 ¹	59265
64 C	— Precision	+25 +55	0.1 °C	0 °C	Hg	total	374	1202064 ¹	59265
64 F	— Precision	+77 +131	0.2 °F	32 °F	Hg	total	374	1205064 ¹	59265
65 C	— Precision	+50 +80	0.1 °C	0 °C	Hg	total	374	1202065 ¹	59265
65 F	— Precision	+122 +176	0.2 °F	32 °F	Hg	total	374	1205065 ¹	59265
66 C	— Precision	+75 +105	0.1 °C	0 °C	Hg	total	374	1202066 ¹	59265
66 F	— Precision	+167 +221	0.2 °F	32 °F	Hg	total	374	1205066 ¹	59265
67 C	— Precision	+95 +155	0.2 °C	0 °C	Hg	total	374	1202067 ¹	59265
67 F	— Precision	+203 +311	0.5 °F	32 °F	Hg	total	374	1205067 ¹	59265
68 C	— Precision	+145 +205	0.2 °C	0 °C	Hg	total	374	1202068	59265
68 F	— Precision	+293 +401	0.5 °F	32 °F	Hg	total	374	1205068	59265
69 C	— Precision	+195 +305	0.5 °C	0 °C	Hg	total	374	1202069	59265
69 F	— Precision	+383 +581	1 °F	32 °F	Hg	total	374	1205069	59265
70 C	— Precision	+295 +405	0.5 °C	0 °C	Hg	total	374	1202070	59265
70 F	— Precision	+563 +761	1 °F	32 °F	Hg	total	374	1205070	59265
71 C	72 C Oil in Wax	-37 +21	0.5 °C	—	Hg	76	350	1202071 ¹	59270
71 F	72 F Oil in Wax	-35 +70	1 °F	—	Hg	76	350	1205071 ¹	59270
72 C	67 C Kinematic Viscosity	-19.4 -16.6	0.05 °C	0 °C	Hg	total	300	1202072 ¹	59265
72 F	67 F Kinematic Viscosity	-2.5 +2.5	0.1 °F	32 °F	Hg	total	300	1205072 ¹	59265
73 C	68 C Kinematic Viscosity	-41.4 -38.6	0.05 °C	0 °C	Hg-Tl	total	300	1202073 ¹	59265
73 F	68 F Kinematic Viscosity	-42.5 -37.5	0.1 °F	32 °F	Hg-Tl	total	300	1205073 ¹	59265
74 C	69 C Kinematic Viscosity	-55.4 -52.6	0.05 °C	0 °C	Hg	total	300	1202074 ¹	59265
74 F	69 F Kinematic Viscosity	-67.5 -62.5	0.1 °F	32 °F	Hg-Tl	total	300	1205074 ¹	59265

Additional Order No.

...../01 Officially calibrated without certificate
/02 Officially calibr. with cert.
/03 With works certificate
/04 With DAkkS calibration cert.
/80 Safety coating
 (PTFE coated up to 200 °C/400 °F)

² Optional mercury-free measuring; digital measuring devices and suitable precise temperature sensors see pages 4/5

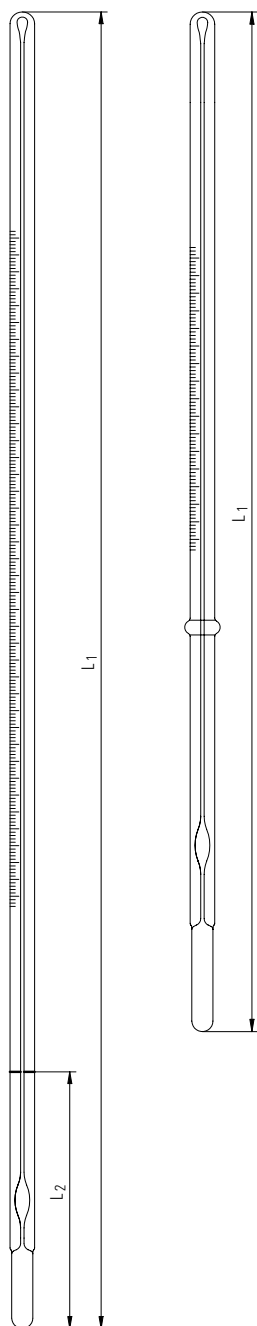
ASTM precision thermometers

Precision thermometers acc. to ASTM, for mineral oil and fuel testing,
stem type, capillary form: yellow back round, (³yellow back prismatic), suitable for official certification,

Type	Description	Measuring range	Scale	Auxilliary scale	Filling	Immer-sion L ₂	Total length L ₁	Ref. No.	Sensor Pt100 ²
			°C/°F	°C/°F		mm	mm		
ASTM IP									
75 F	— Coolant (Antifreeze) Freezing Point	-35 +35	0.5 °F	—	Hg	100	403	1205075 ¹	59265
76 F	— Coolant (Antifreeze) Freezing Point	-65 +5	0.5 °F	—	Hg	100	403	1205076 ¹	59265
77 F	— Saybolt Viscosity	+245 +265	0.5 °F	—	Hg	total	270	1205077	59265
78 F	— Saybolt Viscosity	+295 +315	0.5 °F	—	Hg	total	270	1205078	59265
79 F	— Saybolt Viscosity	+345 +365	0.5 °F	—	Hg	total	270	1205079	59265
80 F	— Saybolt Viscosity	+395 +415	0.5 °F	—	Hg	total	270	1205080	59265
81 F	— Saybolt Viscosity	+445 +465	0.5 °F	—	Hg	total	270	1205081	59265
82 C	— Fuel Rating Engine	-15 +105	1 °C	—	Hg	30	159	1202082 ¹	59270
82 F	— Fuel Rating Engine	0 +220	2 °F	—	Hg	30	159	1205082 ¹	59270
83 C	— Fuel Rating Air-Low	+15 +70	1 °C	—	Hg	40	168	1202083 ¹	59270
83 F	— Fuel Rating Air-Low	+60 +160	1 °F	—	Hg	40	168	1205083 ¹	59270
84 C	— Fuel Rating, Orifice Tank	+25 +80	1 °C	—	Hg	249	378	1202084 ¹	59265
84 F	— Fuel Rating, Orifice Tank	+75 +175	1 °F	—	Hg	249	378	1205084 ¹	59265
85 C	— Fuel Rating, Surge	+40 +150	1 °C	—	Hg	181	305	1202085 ¹	59265
85 F	— Fuel Rating, Surge	+100 +300	2 °F	—	Hg	181	305	1205085 ¹	59265
86 C	— Fuel Rating, Mix.	+95 +175	1 °C	—	Hg	35	164	1202086	59270
86 F	— Fuel Rating, Mix.	+200 +350	2 °F	—	Hg	35	164	1205086	59270
87 C	— Fuel Rating Coolant	+150 +205	1 °C	—	Hg	40	169	1202087	59270
87 F	— Fuel Rating Coolant	+300 +400	1 °F	—	Hg	40	169	1205087	59270
88 C	— Vegetable Oil Flash	+10 +200	1 °C	—	Hg	57	282	1202088	59270
88 F	— Vegetable Oil Flash	+50 +392	2 °F	—	Hg	57	282	1205088	59270
89 C	— Solidification Point	-20 +10	0.1 °C	—	Hg	76	365	1202089 ¹	59270
90 C	— Solidification Point	0 +30	0.1 °C	—	Hg	76	365	1202090 ¹	59270
91 C	— Solidification Point	+20 +50	0.1 °C	—	Hg	76	365	1202091 ¹	59270
92 C	— Solidification Point	+40 +70	0.1 °C	—	Hg	76	365	1202092 ¹	59270
93 C	— Solidification Point	+60 +90	0.1 °C	—	Hg	76	365	1202093 ¹	59270
94 C	— Solidification Point	+80 +110	0.1 °C	—	Hg	76	365	1202094 ¹	59270
95 C	— Solidification Point	+100 +130	0.1 °C	—	Hg	76	365	1202095 ¹	59270
96 C	— Solidification Point	+120 +150	0.1 °C	—	Hg	76	365	1202096 ¹	59270
97 C	— Tank	-18 +49	0.5 °C	—	Hg	total	300	1202097 ³	59265
97 F	— Tank	0 +120	1 °F	—	Hg	total	300	1205097 ³	59265
98 C	— Tank	+16 +82	0.5 °C	—	Hg	total	300	1202098 ³	59265
98 F	— Tank	+60 +180	1 °F	—	Hg	total	300	1205098 ³	59265
99 C	— Weathering Test	-50 +5	0.2 °C	—	Hg-TI	35	300	1202099 ¹	59270
99 F	— Weathering Test	-58 +41	0.5 °F	—	Hg-TI	35	299	1205099 ¹	59270
100 C	— Solidification Point	+145 +205	0.2 °C	—	Hg	76	365	1202100	59270
101 C	— Solidification Point	+195 +305	0.5 °C	—	Hg	76	365	1202101	59270
102 C 83 C	Solvents Distillation	+123 +177	0.2 °C	—	Hg	100	390	1202102 ¹	59265
103 C 84 C	Solvents Distillation	+148 +202	0.2 °C	—	Hg	100	390	1202103 ¹	59265
104 C 85 C	Solvents Distillation	+173 +227	0.2 °C	—	Hg	100	390	1202104 ¹	59265

² Optional mercury-free measuring: digital measuring devices and suitable precise temperature sensors see pages 4/5

ASTM precision thermometers



Precision thermometers acc. to ASTM, for mineral oil and fuel testing,
stem type, capillary form: yellow back round, (³ yellow back prismatic), suitable for official certification,
 suitable scoop sampler see page 12

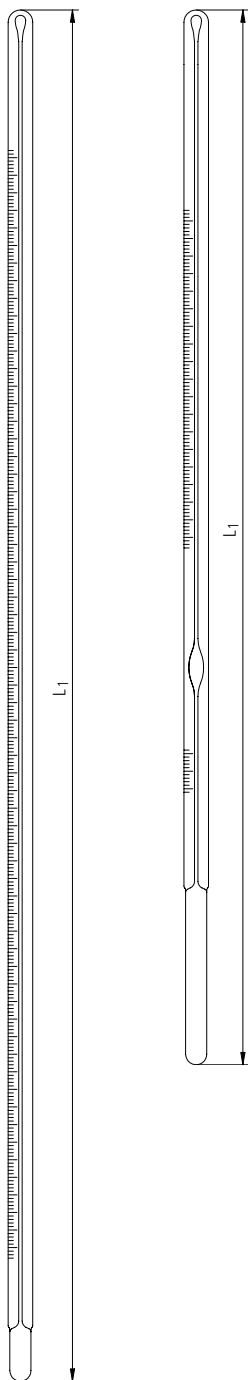
Type	Description	Measuring range	Scale °C/°F	Aux. scale °C/°F	Filling	Immersion L ₂ mm	Total length L ₁ mm	Ref. No.	Sensor Pt100 ²
ASTM IP									
105C 86C	Solvents Distillation	+198 +252	0.2 °C	—	Hg	100	390	1202105	59265
106C 87C	Solvents Distillation	+223 +277	0.2 °C	—	Hg	100	390	1202106	59265
107C 88C	Solvents Distillation	+248 +302	0.2 °C	—	Hg	100	390	1202107	59265
108F —	Saybolt Viscosity	+270 +290	0.5 °F	—	Hg	total	270	1205108	59265
109F —	Saybolt Viscosity	+320 +340	0.5 °F	—	Hg	total	270	1205109	59265
110C 93C	Kinematic Viscosity	+133.6 +136.4	0.05 °C	0 °C	Hg	total	300	1202110 ¹	59265
110F —	Kinematic Viscosity	+272.5 +277.5	0.1 °F	32 °F	Hg	total	300	1205110 ¹	59265
111C —	Tar Acids Distillation	+170 +250	0.2 °C	—	Hg	100	390	1202111	59265
112C —	Benzene Solidification Point	+4 +6	0.02 °C	0 °C	Hg	total	210	1202112 ¹	59265
113C 89C	Softening Point (Bitumen)	-1 +175	0.5 °C	—	Hg	total	400	1202113 ¹	59265
113F 89F	Wide Range	+30 +350	1 °F	—	Hg	total	400	1205113 ¹	59265
114C 14C	Aviation Fuel Freezing Point	-80 +20	0.5 °C	—	Toluene	total	295	1202114 ¹	59265
116C —	Bomb Calorimeter	+18.9 +25.1	0.01 °C	—	Hg	total	604	1202116 ¹	59265
117C —	Bomb Calorimeter	+23.9 +30.1	0.01 °C	—	Hg	total	604	1202117 ¹	59265
118C —	Kinematic Viscosity	+28.6 +31.4	0.05 °C	0 °C	Hg	total	300	1202118 ¹	59265
118F —	Kinematic Viscosity	+83.5 +88.5	0.1 °F	32 °F	Hg	total	300	1205118 ¹	59265
119C —	Coolant (Antifreeze)	-38.3 -30	0.1 °C	0 °C	Hg	100	415	1202119 ¹	59265
119F —	Freezing Point	-37 -22	0.2 °F	32 °F	Hg	100	415	1205119 ¹	59265
120C 92C	Kinematic Viscosity	+38.6 +41.4	0.05 °C	0 °C	Hg	total	300	1202120 ¹	59265
121C 32C	Kinematic Viscosity	+98.6 +101.4	0.05 °C	0 °C	Hg	total	300	1202121 ¹	59265
122C 94C	Brookfield Viscosity	-45 -35	0.1 °C	—	Hg-Tl	total	295	1202122 ¹	59265
123C 95C	Brookfield Viscosity	-35 -25	0.1 °C	—	Hg	total	295	1202123 ¹	59265
124C 96C	Brookfield Viscosity	-25 -15	0.1 °C	—	Hg	total	295	1202124 ¹	59265
125C 97C	Brookfield Viscosity	-15 -5	0.1 °C	—	Hg	total	295	1202125 ¹	59265
126C 71C	Kinematic Viscosity	-27.4 -24.6	0.05 °C	0 °C	Hg	total	300	1202126 ¹	59265
126F 71F	Kinematic Viscosity	-17.5 -12.5	0.1 °F	32 °F	Hg	total	300	1205126 ¹	59265
127C 99C	Kinematic Viscosity	-21.4 -18.6	0.05 °C	0 °C	Hg	total	300	1202127 ¹	59265
128C 33C	Kinematic Viscosity	-1.4 +1.4	0.05 °C	—	Hg	total	300	1202128 ¹	59265
128F 33F	Kinematic Viscosity	+29.5 +34.5	0.1 °F	—	Hg	total	300	1205128 ¹	59265
129C 36C	Kinematic Viscosity	+91.6 +94.4	0.05 °C	0 °C	Hg	total	300	1202129 ¹	59265
129F 36F	Kinematic Viscosity	+197.5 +202.5	0.1 °F	32 °F	Hg	total	300	1205129 ¹	59265
130C —	Tank	-7 +105	0.5 °C	—	Hg	total	300	1202130 ³	59265
130F —	Tank	+20 +220	1 °F	—	Hg	total	300	1205130 ³	59265
132C 102C	Kinematic Viscosity	+148.6 +151.4	0.05 °C	0 °C	Hg	total	300	1202132 ¹	59265
133C —	Precision	-38 +2	0.1 °C	—	Hg	76	374	1202133 ¹	59270
134C 37C	Sludge	+144 +156	0.2 °C	—	Hg	100	260	1212037 ¹	59265
135C —	Fuel Rating Air-High	+38 +93	1 °C	—	Hg	40	168	1202135 ¹	59270
135F —	Fuel Rating Air-High	+100 +200	1 °F	—	Hg	40	168	1205135 ¹	59270
136C —	Aviation Fuel Density	-20 +60	0.2 °C	—	Hg	total	285	1202136 ¹	59265
136F —	Aviation Fuel Density	-5 +140	0.5 °F	—	Hg	total	285	1205136 ¹	59265
137C —	Oxidation Cell Test	+80 +100	0.1 °C	—	Hg	76	250	1202137 ¹	59270

Additional Order No.
/01 Officially calibrated without certificate
/02 Officially calibr. with cert.
/03 With works certificate
/04 With DAkkS calibration cert.
/80 Safety coating
 (PTFE coated up to 200 °C/400 °F)

² Optional mercury-free measuring: digital measuring devices and suitable precise temperature sensors see pages 4/5

ASTM precision thermometers

Blue filling



Precision thermometers acc. to ASTM, for mineral oil and fuel testing,
stem type, capillary form: white back round

Type	Description	Measuring range	Scale	Aux. scale	Fill-ing	Immer-sion L ₂	Total length L ₁	Ref. No.
ASTM			°C/°F	°C/°F		mm	mm	
S5C	Cloud and Pour	-38 +50	1 °C	—	blue	108	300	1202005S
S5F	Cloud and Pour	-36 +120	3 °F	—	blue	108	300	1205005S
S12C	Density-Wide Range	-20 +102	0.2 °C	—	blue	total	435	1202012S
S12F	Density-Wide Range	-5 +215	0.5 °F	—	blue	total	435	1205012S
S15C	Low Softening Point	-2 +80	0.2 °C	—	blue	total	415	1202015S
S15F	Low Softening Point	+30 +180	0.5 °F	—	blue	total	415	1205015S
S18C	Reid Vapor Pressure	+34 +42	0.1 °C	—	blue	total	300	1202018S
S18F	Reid Vapor Pressure	+94 +108	0.2 °F	—	blue	total	300	1205018S
S22C	Oxidation Stability	+95 +103	0.1 °C	—	blue	total	300	1202022S
S22F	Oxidation Stability	+204 +218	0.2 °F	—	blue	total	300	1205022S
S56C	Bomb Calorimeter	+19 +35	0.02 °C	—	blue	total	610	1202056S
S56F	Bomb Calorimeter	+66 +95	0.05 °F	—	blue	total	610	1205056S
S58C	Tank	-34 +49	0.5 °C	—	blue	total	300	1202058S
S58F	Tank	-30 +120	1 °F	—	blue	total	300	1205058S
S59C	Tank	-18 +82	0.5 °C	—	blue	total	300	1202059S
S59F	Tank	0 +180	1 °F	—	blue	total	300	1205059S
S62C	Precision	-38 +2	0.1 °C	—	blue	total	401	1202062S
S62F	Precision	-36 +35	0.2 °F	—	blue	total	401	1205062S
S63C	Precision	-8 +32	0.1 °C	—	blue	total	401	1202063S
S63F	Precision	+18 +89	0.2 °F	—	blue	total	401	1205063S
S64C	Precision	+25 +55	0.1 °C	0 °C	blue	total	401	1202064S
S64F	Precision	+77+131	0.2 °F	32 °F	blue	total	401	1205064S
S65C	Precision	+50 +80	0,1 °C	0 °C	blue	total	401	1202065S
S65F	Precision	+122 +176	0.2 °F	32 °F	blue	total	401	1205065S
S66C	Precision	+75 +105	0.1 °C	0 °C	blue	total	401	1202066S
S66F	Precision	+167 +221	0.2 °F	32 °F	blue	total	401	1205066S
S67C	Precision	+95 +155	0.2 °C	0 °C	blue	total	401	1202067S
S67F	Precision	+203 +311	0.5 °F	32 °F	blue	total	401	1205067S
S91C	Solidification Point	+20 +50	0.1 °C	—	blue	76	390	1202091S
S116C	Bomb Calorimeter	+18.9 +25.1	0.01 °C	—	blue	total	615	1202116S
S117C	Bomb Calorimeter	+23.9 +30.1	0.01 °C	—	blue	total	615	1202117S
S120C	Kinematic Viscosity	+38.6 +41.4	0.05 °C	0 °C	blue	total	300	1202120S
S130C	Tank	-7 +105	0.5 °C	—	blue	total	300	1202130S
S130F	Tank	+20 +220	1 °F	—	blue	total	300	1205130S

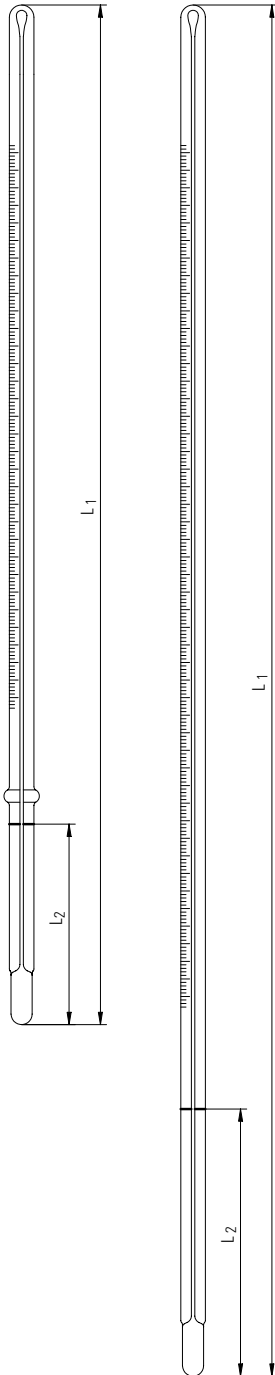
Additional Order No.

...../03 With works certificate

...../04 With DAkkS calibration cert.

ASTM-like thermometers

Blue filling



Precision thermometers acc. to ASTM, for mineral oil and fuel testing,
stem type, capillary form: white back round

Type	Description	Measuring range	Scale	Filling	Immer- sion L ₂ mm	Total length L ₁ mm	Ref. No.
ASTM			°C/°F				
S1C	Partial Immersion	-20 +150	1 °C	blue	76	335	1202001S
S1F	Partial Immersion	0 +302	2 °F	blue	76	335	1202501S
S9C	Low -Pensky-Martens	-5 +110	0.5 °C	blue	57	305	1202009S
S9F	Low -Pensky-Martens	+20 +230	1 °F	blue	57	305	1205009S
S14C	Wax Melting Point	+38 +82	0.1 °C	blue	79	390	1202014S
S14F	Wax Melting Point	+100 +180	0.2 °F	blue	79	390	1205014S
S16C	High Softening Point	+30 +200	0.5 °C	blue	total	415	1202016S
S16F	High Softening Point	+85 +392	1 °F	blue	total	415	1205016S
S17C	Saybolt Viscosity	+19 +27	0.1 °C	blue	total	300	1202017S
S17F	Saybolt Viscosity	+66 +80	0.2 °F	blue	total	300	1205017S
S19C	Saybolt Viscosity	+49 +57	0.1 °C	blue	total	300	1202019S
S19F	Saybolt Viscosity	+120 +134	0.2 °F	blue	total	300	1205019S
S20C	Saybolt Viscosity	+57 +65	0.1 °C	blue	total	300	1202020S
S20F	Saybolt Viscosity	+134 +148	0.2 °F	blue	total	300	1205020S
S21C	Saybolt Viscosity	+79 +87	0.1 °C	blue	total	300	1202021S
S21F	Saybolt Viscosity	+174 +188	0.2 °F	blue	total	300	1205021S
S33C	Low Aniline Point	-38 +42	0.2 °C	blue	50	435	1202033S
S33F	Low Aniline Point	-36.5 +107.5	0.5 °F	blue	50	435	1205033S
S34C	Medium Aniline Point	+25 +105	0.2 °C	blue	50	435	1202034S
S34F	Medium Aniline Point	+77 +221	0.5 °F	blue	50	435	1205034S
S36C	Titer Test	-2 +68	0.2 °C	blue	45	420	1202036S
S37C	Solvents Distillation	-2 +52	0.2 °C	blue	100	410	1202037S
S38C	Solvents Distillation	+24 +78	0.2 °C	blue	100	410	1202038S
S39C	Solvents Distillation	+48 +102	0.2 °C	blue	100	410	1202039S
S40C	Solvents Distillation	+72 +126	0.2 °C	blue	100	410	1202040S
S42C	Solvents Distillation	+95 +255	0.5 °C	blue	100	410	1202042S
S49C	Stormer Viscosity	+20 +70	0.2 °C	blue	65	320	1202049S
S52C	Butadiene Boiling Point Range	-10 +5	0.1 °C	blue	total	180	1202052S

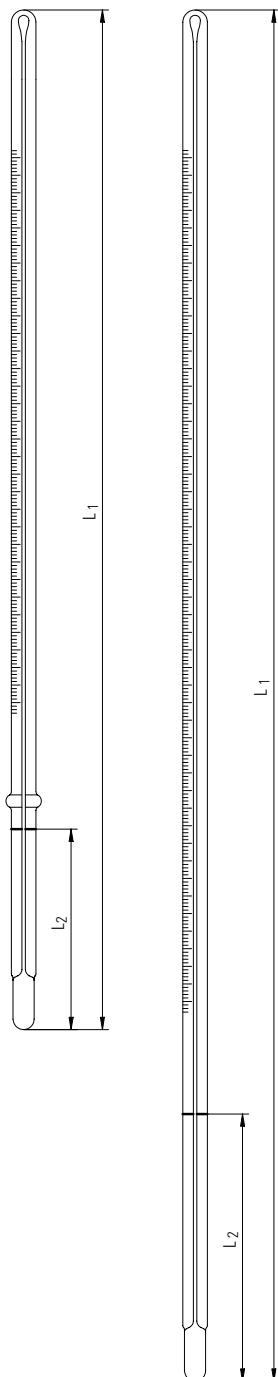
Additional Order No.

...../03 With works certificate

...../04 With DAkkS calibration cert.

ASTM-like thermometers

Blue filling



Precision thermometers acc. to ASTM, for mineral oil and fuel testing,
stem type, capillary form: white back round

Type	Description	Measuring range	Scale °C/°F	Filling	Immer- sion L ₂ mm	Total length L ₁ mm	Ref. No.
ASTM							
S54C	Congealing Point	+20 +100.6	0.2 °C	blue	total	325	1202054S
S54F	Congealing Point	+68 +213	0.5 °F	blue	total	325	1205054S
S57C	Tag Closed Tester, Low Range	-20 +50	0.5 °C	blue	57	305	1202057S
S57F	Tag Closed Tester, Low Range	-4 +122	1 °F	blue	57	305	1205057S
S61C	Pertrolatum Melting Point	+32 +127	0.2 °C	blue	79	400	1202061S
S61F	Pertrolatum Melting Point	+90 +260	0.5 °F	blue	79	400	1205061S
S82C	Fuel Rating, Engine	-15 +105	1 °C	blue	30	180	1202082S
S82F	Fuel Rating, Engine	0 +220	2 °F	blue	30	180	1205082S
S83C	Fuel Rating, Air-Low	+15 +70	1 °C	blue	40	190	1202083S
S83F	Fuel Rating, Air-Low	+60 +160	1 °F	blue	40	190	1205083S
S84C	Fuel Rating, Orifice Tank	+25 +80	1 °C	blue	249	400	1202084S
S84F	Fuel Rating, Orifice Tank	+75 +175	1 °F	blue	249	400	1205084S
S85C	Fuel Rating, Surge	+40 +150	1 °C	blue	181	325	1202085S
S85F	Fuel Rating, Surge	+100 +300	2 °F	blue	181	325	1205085S
S86C	Fuel Rating, Mix	+95 +175	1 °C	blue	35	190	1202086S
S86F	Fuel Rating, Mix	+200 +350	2 °F	blue	35	190	1205086S
S88C	Vegetable Oil Flash	+10 +200	1 °C	blue	57	305	1202088S
S88F	Vegetable Oil Flash	+50 +392	2 °F	blue	57	305	1205088S
S89C	Solidification Point	-20 +10	0.1 °C	blue	76	390	1202089S
S90C	Solidification Point	0 +30	0.1 °C	blue	76	390	1202090S
S97C	Tank	-18 +49	0.5 °C	blue	total	320	1202097S
S97F	Tank	0 +120	1 °F	blue	total	320	1205097S
S98C	Tank	+16 +82	0.5 °C	blue	total	300	1202098S
S98F	Tank	+60 +180	1 °F	blue	total	300	1205098S
S99C	Weathering Test	-50 +5	0.2 °C	blue	35	320	1202099S
S99F	Weathering Test	-58 +41	0.5 °F	blue	35	320	1205099S
S113C	Softening Point (Bitumen) Wide Range	-1 +175	0.5 °C	blue	total	420	1202113S
S113F	Softening Point (Bitumen) Wide Range	+30 +350	1 °F	blue	total	420	1205113S

Additional Order No.

...../03 With works certificate

...../04 With DAkkS calibration cert.