

U.S.A

NIST
TRACEABLE

STANDARDIZED THERMOMETERS

A.S.T.M



- **A.S.T.M** is an American standard. These thermometers are manufactured according to the E-1 specifications of the **AMERICAN SOCIETY FOR TESTING AND MATERIAL** (A.S.T.M.).
- **The glass**
The colour of the glass of our A.S.T.M thermometers is standardized in yellow giving a much better reading than the white back, mainly for mercury filled thermometers. This is a quality choice even if the white glass is usually less expensive than yellow.
- **Scale**
Graduation lines are fine and easily readable.
The measurement scale is fused into the glass with a special manufacturing process makes it completely indelible and very resistant to chemical agents except fluoridric acid and hot soda (to a lesser extent) because these 2 products attack the glass. Even if you can feel a slight relief on the glass, the thermometer is not engraved.
- **Traceability**
Every standardized thermometer has an individual number printed on the back. This number is stocked in our data base and fully traceable to our official masters.
The thermometer is fully marked on the back with the ASTM number, the purpose and ASTM method.
- **Calibration and Certificates**
Our official masters are regularly controlled and are traceable in over 68 countries worldwide (see page 5).

If an **A.S.T.M** thermometer has an equivalent **I.P**, both standards are printed on the back of the instrument.

Systematically delivered with a Traceability and Conformity Certificate



Available, upon request with an ALLA FRANCE **EU** Traceable Calibration Certificate, or an **EO** Official Calibration Certificate controlled by an accredited European Laboratory (see pages 4-5 for more information about Certificates).

HELP

The link to our page www.allafrance.com/help.html is printed on the back of our thermometers and accessible to the user. This page answers most metrological questions asked and allows you to limit repetitive questions to your Customer Service, while being a solid support for your sales force.

Calibration points

The A.S.T.M thermometers with Calibration Certificate are checked at the specified points in the standard.

More information about Certificates on pages 4-5 of our Catalogue or on our website page <http://www.allafrance.com/certification.html>



Official or Traceable Calibration Certificate upon request



T 015 A.S.T.M °C Series

A.S.T.M	Range °C	Div. °C	Imm.	mm	Control points °C
1C	Partial immersion	-20 +150	1	76 mm	322
2C	Partial immersion	-5 +300	1	76 mm	390
3C	Partial immersion	-5 +400	1	76 mm	415
5C	Cloud and Pour	-38 +50	1	108 mm	230
6C	Low Cloud and Pour	-80 +20	1	76 mm	230
7C	Low Distillation	-2 +300	1	TOT	385
8C	High Distillation	-2 +400	1	TOT	385
9C	Low Pensky-Martens	-5 +110	0.5	57 mm	290
10C	High Pensky-Martens	+90 +370	2	57 mm	290
11C	Cleveland Open Flash	-6 +400	2	25 mm	310
12C	Density-Wide Range	-20 +102	0.2	TOT	420
13C	Loss on Heat	+155 +170	0.5	TOT	155
14C	Wax Melting Point	+38 +82	0.1	79 mm	375
15C	Low Softening Point	-2 +80	0.2	TOT	395
16C	High Softening Point	+30 +200	0.5	TOT	395
17C	Saybolt Viscosity	+19 +27	0.1	TOT	275
18C	Reid vapor pressure	+34 +42	0.1	TOT	275
19C	Saybolt Viscosity	+49 +57	0.1	TOT	275
20C	Saybolt Viscosity	+57 +65	0.1	TOT	275
21C	Saybolt Viscosity	+79 +87	0.1	TOT	275
22C	Oxidation Stability	+95 +103	0.1	TOT	275
23C	Engler Viscosity	+18 +28	0.2	90 mm	212
24C	Engler Viscosity	+39 +54	0.2	90 mm	237
25C	Engler Viscosity	+95 +105	0.2	90 mm	212
26C	Stab. Test of Sol. Nitroc.	+130 +140	0.1	TOT	463
27C	Turpentine Distillation	+147 +182	0.5	76 mm	301
28C	Kinematic Viscosity 37.8°C	+36.6 +39.4	0.05	TOT	305
29C	Kinematic Viscosity 54.4°C	+52.6 +55.4	0.05	TOT	305
33C	Low Aniline Point	-38 +42	0.2	50 mm	420
34C	Medium Aniline Point	+25 +105	0.2	50 mm	420
35C	High Aniline Point	+90 +170	0.2	50 mm	420
36C	Titer Test	-2 +68	0.2	45 mm	405
37C	Solvents Distillation	-2 +52	0.2	100 mm	395
38C	Solvents Distillation	+24 +78	0.2	100 mm	395
39C	Solvents Distillation	+48 +102	0.2	100 mm	395
40C	Solvents Distillation	+72 +126	0.2	100 mm	395
41C	Solvents Distillation	+98 +152	0.2	100 mm	395
42C	Solvents Distillation	+95 +255	0.5	100 mm	395
43C	Kinematic Viscosity	-51.6 -34	0.1	100 mm	420
44C	Kinematic Viscosity	+18.6 +21.4	0.05	TOT	305
45C	Kinematic Viscosity	+23.6 +26.4	0.05	TOT	305
46C	Kinematic Viscosity	+48.6 +51.4	0.05	TOT	305
47C	Kinematic Viscosity	+58.6 +61.4	0.05	TOT	305
48C	Kinematic Viscosity	+80.6 +83.4	0.05	TOT	305
49C	Stormer Viscosity	+20 +70	0.2	65 mm	305
52C	Butad. Boiling P.Range	-10 +5	0.1	TOT	162
54C	Congeeing Point	+20 +100.6	0.2	TOT	310
56C	Bomb Calorimeter	+19 +35	0.02	TOT	595
57C	Tag Closed Tester, Low R.	-20 +50	0.5	57 mm	287
58C	Tank	-34 +49	0.5	TOT	305
59C	Tank	-18 +82	0.5	TOT	305
60C	Tank	+77 +260	1	TOT	305
61C	Petrolatum Melting Point	+32 +127	0.2	79 mm	380
62C	Precision	-38 +2	0.1	TOT	379
63C	Precision	-8 +32	0.1	TOT	379
64C	Precision	+25 +55	0.1	TOT	379
65C	Precision	+50 +80	0.1	TOT	379
66C	Precision	+75 +105	0.1	TOT	379
67C	Precision	+95 +155	0.2	TOT	379