

# A.S.T.M THERMOMETERS



**NO MERCURY**

**NIST  
MRA  
GOST  
TRACEABLE**

These thermometers are manufactured according to the official standard ASTM E2251-14. (Standard Specifications for Liquid-in-Glass ASTM thermometers with Low-hazard precision liquids)

The thermometers are filled with a **special blue organic liquid**, a lot less toxic than mercury.

The scale is part of the glass thanks to a specific industrial process. This technique allows the scale to be totally indelible and very resistant to chemical reagents, except for hydrofluoric acid and hot caustic soda, as these 2 chemicals directly attack the glass. Even if you can feel a slight relief on the glass, the thermometer is not engraved.

At the back of the thermometer, you will find the ASTM reference, the use and the ASTM method.

Each and every one of our non-mercury ASTM thermometer has an individual number engraved at the back of the scale. This number is stored in our data base and is traceable to our official masters which are regularly controlled, these masters also are traceable to official standards.

- ① A special hook that will maintain your thermometer at the same depth during measurement is automatically supplied free of charge with every Thermometer.



Automatically supplied with a certificate of conformity and traceability



Manufacturer of Official Certificate of calibration available upon request

①

## A.S.T.M. E2251-14

## Blue liquid

ASTM Serie	Applications	Range °C	Division	Accuracy	Immersion mm	mm.
S5C	Cloud and Pour	-38+50	1	±0.5	108	259
S12C	Density-Wide Range	-20+102	0.2	±0.15	TOT	440
S15C	Low Softening Point	-2+80	0.2	±0.2	TOT	397
S18C	Reid Vapour Point	+34+42	0.1	± 0.1	TOT	300
S22C	Oxidation Stability	+95+103	0.1	± 0.1	TOT	300
S56C	Bomb Calorimeter	+19+35	0.02	±0.1	TOT	616
57C*	Tag closed tester, Low R	-20+50	0.5	±0.5	57	300
S58C	Tank	-34+49	0.5	±0.3	TOT	302
S59C	Tank	-18+82	0.5	±0.3	TOT	302
S62C	Precision	-38+2	0.1	±0.1	TOT	406
S63C	Precision	-8+32	0.1	±0.1	TOT	406
S64C	Precision	+25+55	0.1	±0.1	TOT	406
S65C	Precision	+50+80	0.1	±0.1	TOT	406
S66C	Precision	+75+105	0.1	±0.1	TOT	406
S67C	Precision	+95+155	0.2	±0.2	TOT	406
S91C	Solidification Point	+20+50	0.1	±0.1	76	395
S120C	Kinematic Viscosity	+36,8+41,4	0.05	±0.1	TOT	305
S130C	Tank	-7+105	0.5	±0.5	TOT	302

**BIO TEMP<sup>®</sup>**

## IP equivalent

## Blue liquid

39C*	Density	-1+38	0.1	±0.1	TOT	455
49C*	Tank Medium	-15+40	0.5	±0.5	TOT	325
53C*	Tank Cargo	0+80	0.5	±0.5	TOT	325

\*No standard



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