

Solidification Point Tester acc. to Method Metz

The tester is used for the estimation of the solidification point of TNT.

Application of 2 temperature sensors (Type PT 100), with measuring resolutions of 0.01 K, allows a very reliable analysis of temperature profiles and an average value of solidification temperature.

About 3-5 g TNT in special glass test tubes is heated up in a waterfree heating fluid to appr. 90°C and cooled down to the solidification point.

Two PT100 sensors measure simultaneously the temperature and send the data via special Interface to a PC,

that store the data and the solidification point evaluate can be determined. Measuring data and temperature curve can be print out.

Accuracy of determination: about 0.02K.

System comes complete with

- Magnetic Stirrer, Beaker glass 600ml, holding unit, temperature control unit
- 100 pcs of special glass test tubes inner dia. 10mm, length 200mm
- 2 PT sensors, stainless steel, temperature range RT to 150°C
- Interface, data cable, power supply
- Software to determine solidification point
- Computer, Monitor, Colour Printer

