



HST GROUP

Focus In Material Test



Jinan Hensgrand Instrument Co., Ltd.

TST-300 Congo Red Thermal Stability Tester



Application

TST-300 Congo Red Thermal Stability Tester is used to determine the thermal stability of PVC compounds for insulating and sheathing materials of electric cables.

Test principle:

Place about (50 ± 5) mg sample into a specified glass tube. The glass tube is placed into oil bath at the temperature of $(200 \pm 0.5)^\circ\text{C}$. A Congo red paper or common PH paper is inserted into the glass tube; its other end is folded and hung on the top wall of glass tube. Record the time during the Congo red paper becomes from red to blue (the common PH paper becomes from PH5 to PH3). The time of color change is expression of the thermal stability.

Standard

GB/T 8815	GB/T 2951.7	IEC 811
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Note: this Digital Precision Moisture Meter can conform to but not limit to all the standards above, for more standards conformance, please contact us.

Specification

Model	HST-TST3000
Temperature range	RT~250℃
Temperature resolution	0.1℃
Timer range	0~99.99s
Chamber capacity	3000ml
Glass tube size	Length: 1100mm External diameter: 5mm Inner diameter: 4mm
Test paper	Congo red paper or PH paper
Heating oil required	2# lubricating oil or insulating oil
Heater power	1.25kW
Power supply	AC220V 50Hz
Dimensions	420mm×200mm×250mm (L×W×H)