

HST-CBT900 Carbon Black Dispersion Testing Machine



Note: The picture is for reference only

Breif introduction :

This instrument is suitable for determining the carbon black content in polyethylene, polypropylene, and polybutene plastics. The carbon black content is obtained through gravimetric analysis of the sample after high-temperature decomposition under nitrogen protection. The instrument features segmented temperature control, ease of use, simple operation, reliable performance, accurate measurement, and automatic temperature control.

Standards :

ASTM D1603-2012 - General Test Methods for Insulation and Sheathing Materials of Cables and Optical Fibers.

GB/T2951.41-2008 - General Test Methods for Insulation and Sheathing Materials of Cables and Optical Fibers.

GB/T3515-2005 - Determination of Carbon Content in Rubber - Pyrolysis Method

GB-T13021-1991 - Instruments for Determining Carbon Black Content in Polyethylene Pipes and Fittings - Thermogravimetric Method

Parameter:

Model	HST-CBT900
Hearth size	Φ31*300±5mm
Heating element	high temperature alloy wire
Length of heating zone	200mm
Length of constant temperature region	100mm
Working temperature	room temperature~990℃
Temperature control mode	Intelligent programmable control
Sensor sensitivity	0.01℃
Gas tube size	540*30mm (out diameter)
Number of samples in one test	1
Working power supply	220v, 50hz, 3000W