

HST GBT-40A Pipe Opacity Tester



Note: The picture is for reference only

Product Introduce:

This instrument is used to test the opacity of plastic pipes and fittings (displaying results as percentages), replacing the traditional method of testing the opacity of pipes. It is controlled by an industrial touch screen and has functions such as calibration, data analysis and calculation, and USB storage of test results. It is a device for measuring the opacity of water pipes or fittings exposed to visible light to prevent the growth of algae inside the pipes.

Product Features:

1. Adopting high-precision standard A parallel light source, the light wave is strictly controlled within the range of 540-560nm;
2. The luminous flux acquisition system adopts an industrial grade high-precision optical collector with strong anti-interference ability and a 24 bit analog-to-digital conversion circuit. The measurement results are stable and reliable, with a resolution of 0.01%;
3. The sample holder provides three positioning points for each sample and has voice prompt function;

4. Color LCD touch screen control and display, easy to operate, intuitive display;
5. Test data can be stored on a USB drive for easy recording of experiments;
6. Small size, reasonable structure, space saving, stable performance, high efficiency, easy operation and maintenance.

Testing standards:

GB/T 21300-2007 Determination of opacity of plastic pipes and fittings

GB/T 2410-2008 Determination of Transmittance and Haze of Transparent Plastics

ISO 7686:2005 Plastics pipes and fittings — Determination of opacity

Technical parameters:

Control method	Touch screen control
Method	Manual operation for entering and exiting the sample chamber
Pipe diameter range	Φ16~Φ40mm
Sample length	80mm
Grating	16, 20, 25, 32, 40
Sample rack	16, 20, 25, 32, 40
Measurement points	Three points
Light wavelength	540nm~560nm
Resolution	0.01%
Accuracy	< 0.05%
Power supply	220VAC 50Hz 0.15kW (single-phase three wire system)
Host size	530*245*510mm
Host weight	20kg