



To test the light transmittance and haze degree of all transparent and semi-transparent parallel plane samples (plastic plate, sheets etc), and turbidity or clarity of liquid samples (water, drinks etc), used in the industries of plastics, membrane, coatings and paints, printing ink, research institute and so on.



Standards

This instrument is up to standards of ASTM D1003, and GB/T 2410-2008.

Features

- Adopt parallel lighting, hemispherical reflectance, and integrating sphere photoelectricity receiving.
- Adopt microcomputer automatic operating system and data processing system, can operate without knobs, convenient to use.
- With USB port, can store data in USB flash drive.
- Transmittance result displays at 0.01%, haze also displays at 0.01%.
- Thanks to the employ of modulator, the instrument is not influenced by ambient light, so test needs not to happen in dark room, which assure the accuracy of sample testing.
- Equipped with magnetic film clips and cup for liquid samples, bringing great convenience to users.
- Accompanied with a haze plate, for checking the functions of instrument anytime.



Specifications

Model	SGQ-810
Test range	light transmittance 0 ~ 100.0%, haze degree 0 ~ 30.00%
Accuracy:	light transmittance: $\leq 1\%$; haze degree: 0.1% for $H \leq 0.5\%$; 0.3% for $H > 0.5\%$
Repeatability	light transmittance: 0.5%; haze degree: 0.05% for $H \leq 0.5\%$, 0.1% for $H > 0.5\%$
Minimum reading	light transmittance 0.01%, haze degree
Light source	Light source C (6774K)
Size of sample	Solid sample: 50mmx50mm Liquid sample: 50mmx50mmx10mm (size of liquid sample cup)
Size of haze plate	40mmx2mm
Power supply	220V \pm 22V, 50Hz \pm 1 Hz
Environment condition	5°C~35°C
Instrument size	700mmx270mmx300mm
Weight	21kg