SKZ1041 Laboratory Turbidimeter

For measuring suspended in water insoluble particulate matter generated by the degree of light scattering, to get the content of suspended particulate matter.

Widely used in power plants, pure water plant, water plants and domestic sewage treatment plants, beverage plants, the environmental protection departments, industrial water, wine industry and the pharmaceutical industry, epidemic prevention departments, hospitals and other departments of the turbidity measurement

Principle:

Turbidity, also called turbidity of water or transparent liquid. Caused by light scattering of insoluble suspended matter and colloidal substances in the water or clear liquid, ISO standard unit of measurement used FTU (turbidity units), FTU and NTU (turbidity units) consistent.

When light irradiated to the surface, the incident light, transmitted light, scattered light and the ratio between water turbidity of a certain relationship,

By measuring the transmitted light, scattered light and incident light or transmitted light and scattered light to determine the ratio of the turbidity of water samples.

Features:

1. Streamlined, lightweight design, simple operation and cost-effective
2. Large-screen LCD digital clear display, low drift, high precision circuitry
3. Reliable structure and high precision optical systems, instruments long time stability
4. Chrominance compensation, effectively avoid the interference caused by the sample color, turbidity can accurately reflect
5. Long-life high-intensity light source, no replacement worries, 30 seconds warm-up time to work

Parameters:

Light source: Tungsten halogen lamp 6V, 12W
Receiving elements: silicon photovoltaic cells
Measuring range NTU: automatic range switching:
0.00 - 50.0, 50.1 - 200, 201 - 2000 (B type)
Readings method: four LED digital display
Indication error :0-200NTU: not more than ± 8%
201-2000NTU: not more than ± 6% (B type)
Indication stability: ≤ ± 0.3% FS
Zero drift: ≤ ± 1% FS
Sample vial: φ25mm × 95 mm
Sample volume: 20ml ~ 30ml
Power supply: 220 V ± 22V, 50 Hz ± 1Hz
Dimensions: 358mm × 323mm × 160mm
Weight: 8kg