



PGA - B Series

Portable Turbidity Meter for Environment Detection

Introduction

TOP INSTRUMENT Portable Turbidity Meter for Environment Detection is used for measuring the scattering degree of the lights generated by the insoluble grain matters suspended in water or transparent liquids, with capability to characterize the content of these suspended grain matters. It adopts the Formazine standard solution of turbidity specified in international standard ISO7027, and NTU as the measure unit. It can be broadly applied in the measurement of turbidity in power plants, waterworks, treatment stations of domestic sewage, beverage factories, environmental protection departments, industrial water, wine and pharmacy industries, epidemic prevention divisions, hospitals, and etc.

Features

- Portable, AC and DC power supply, with low voltage indication and automatic shut-down function. The serial RS232 communication interface can be connected with a micro-printer.
- Microcomputer low power consumption configuration, touch keyboard, LCD display with backlight, which can display date, time, measurement value and measurement unit at the same time.

- The measurement range can be manually selected or automatically switched. The calibration standard value can be set arbitrarily by programming, and the automatic calibration of 1-7 points can be selected quickly and arbitrarily.
- With average measurement mode and data query mode, with non-linear processing and smoothing function of measurement data, equipped with self-diagnosis information prompt.
- Built-in clock memory storage system, real-time storage of measurement and correction data, long-term storage and recall of the latest 20 sets of measurement data.
- A variety of measurement modes, preset with NTU, FTU, EBC, degree (Unit), ppm, mg/L, % and other units.
- Equipped with a chromaticity compensation system, which can effectively avoid the interference caused by the color of the sample and can correctly reflect the concept of turbidity.
- 100,000 hours of long-life high-intensity light source, maintenance-free long-term use, in line with ISO turbidity measurement standards.

Technical Parameter

Model	PGA-500B	PGA-2B	PGA-3B	PGA-4000B
Minimum Principle	90° scattered light			
Minimum readout (NTU)	0.01	0.001	0.01	0.001
Measuring range (NTU)	0-50	0-10	0-10	0-10
	0-500	0-100	0-100	0-100
		0-500	0-1000	0-1000
				0-4000
Basic error F.S	±6% (±2% F.S)			
Repeatability	≤ 0.5%			
Zero draft (NTU)	±0.5% F.S			
Power supply	DC 1.5V, 5 AA alkaline dry cells AC 220V/50Hz DC7.5V 0.2A power supply adapter			
characteristics	Microcomputer configuration, with average measurement mode, on time display, data storage and query functions, range switch, automatic to zero and 1 to 5 automatic calibration, equipped with RS232 communication interface, data can be allocated to external micro printer.			