



### Introduction

The portable suspended solid meter, consists of a host and a suspension sensor. The sensor is based on a combined infrared absorption scatter ray method, and the ISO 7027 method can be used to continuously and accurately determine the suspended matter (sludge concentration). The suspended matter (sludge concentration) value was determined according to ISO 7027 infrared double scattering light technology without chromatic influence. Application: Widely used in on-site portable monitoring of water suspended solids in sewage treatment, surface water, etc..

### Features

- ✚ Portable host IP66 protection, sensor is IP68.
- ✚ Ergonomic curve design with rubber washers for hand-held operation, easy to grasp in wet conditions.
- ✚ Factory calibration required in one year, can be calibrated on site.
- ✚ Data recording function and with 8G for storage data.
- ✚ Digital sensor, easy to use and fast in field, and plug and play with portable host.
- ✚ With USB interface, it can charge the build in battery and export data through USB interface.
- ✚ Built-in a USB port to download saved data.

### Specifications

Specification	
<b>Measurement range</b>	0.1-20000 mg/L、 0.1-45000 mg/L 、 0.1-120000 mg/L (Customizable)
<b>Indication error</b>	Less than $\pm 5\%$ of the measured value (depends on the homogeneity of the sludge)
<b>Resolution</b>	0.1mg/L
<b>Calibration</b>	Standard Solution Calibration, Water Sample Calibration
<b>Material of Casing</b>	Sensor: SUS316L Mainframe Casing: ABS+PC
<b>Storage Temperature</b>	-15 to 50°C
<b>Working Temperature</b>	0 to 45°C
<b>Size/Weight</b>	Dimension of Sensor: Diameter 60mm*Length 256mm Weight:1.65KG Dimension of Mainframe: 203*100*43mm, Weight: 0.5KG
<b>Level of Protection</b>	Sensor IP68 Hand-held Device IP67
<b>Length of Cable</b>	Standard cable length is 10 meters, which is extendable.
<b>Display</b>	3.5 Inch color display, adjustable backlight
<b>Data Storage</b>	500M Data Memory Space
<b>No significant vibration and electromagnetic interference, avoid direct sunlight.</b>	