



## Digital Suspended Solids Sensor

Model: ZDYG-2087-01



### Brief Introduction

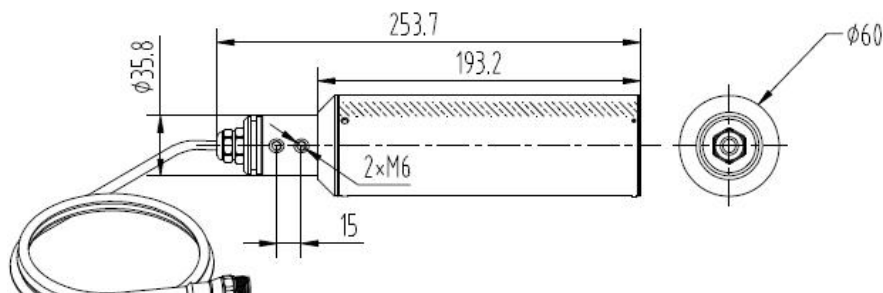
The ZDYG-2087-01 digital suspended solid sensor is based on the infrared absorption scattered light method and combined with the application of ISO7027 method, can guarantee the continuous and accurate detection of suspended solids and sludge concentration. Based on ISO7027, infrared double scattering light technology will not be affected by chroma for the measurement of suspended solids and sludge concentration value. According to the usage environment, self-cleaning function can be equipped with. It assures the stability of data and reliability of performance; with the built-in self-diagnosis function. The digital suspended solid sensor measure the water quality and delivery the data in high precision, the sensor installation and calibration is quite simple too.

### Application

it's is widely used in sewage plant, water plant, water station, surface water, farming, industry and other fields.

**Technical Parameters**

<b>Measurement Range</b>	0.01-20000 mg/L,0.01-45000 mg/L ,0.01-120000 mg/L
<b>Communication</b>	RS485 Modbus
<b>Main Materials</b>	Main Body:SUS316L (Ordinary Version),Titanium Alloy (Seawater Version) Upper and Lower Cover:PVC Cable: PVC
<b>Waterproof Rate</b>	IP68/NEMA6P
<b>Indication Resolution</b>	Less than $\pm 5\%$ of the measured value (depending on sludge homogeneity)
<b>Pressure Range</b>	$\leq 0.4$ Mpa
<b>Flow velocity</b>	$\leq 2.5$ m/s,8.2ft/s
<b>Temperature</b>	Storage Temperature:-15~65℃;Environment Temperature:0~45℃
<b>Calibration</b>	Sample Calibration, Slope Calibration
<b>Cable Length</b>	Standard 10-Meter Cable, Max Length: 100 Meters
<b>Power Supply</b>	12 VDC
<b>Size</b>	Diameter 60mm* Length 256mm

**External Dimension:****Wire connection of Sensor**

<b>Serial No.</b>	1	2	3	4
<b>Sensor Cable</b>	Brown	Black	Blue	White
<b>Signal</b>	+12VDC	AGND	RS485 A	RS485 B