

## Turbidity VWQS-TU01

### Data Sheet

#### Verge turbidity sensor

The Verge digital turbidity sensor has Modbus output and is IP68 waterproof. The sensor has long-term stability, reliability and accuracy.

The sensor uses 90 degree scattered light measurement, detecting light reflected off suspended particles, comparing it with the internal calibration value. The system deploys infrared light, eliminating ambient light interference through infrared light and filter, output signal is stable after linearization processing, high precision. It is simple to calibrate and is part of the Verge Sonde system, allowing for lens cleaning. It is small in size, low power consumption, affordable, high performance and durable. It is simple to calibrate and is part of the Verge Sonde system, allowing for periodic automatic sensor cleaning. Sensor could be utilized alone or part of Sonde

### Specifications

|                             |   |
|-----------------------------|---|
| Parameter                   | Turbidity   |
| Units                       | NTU   |
| Range                       | 0-600   |
| Resolution                  | 0.01  |
| Accuracy                    | +/-0.5%   |
| Protocol                    | RS485 Modbus  |
| Temperature Limits          | +5 to 50 degC   |
| Voltage supply              | 9-24 VDC  |
| Housing Materials           | Acetyl  |
| Cable Materials             | Rubber  |
| Cable Length                | 5m  |
| Modbus Address (Adjustable) | 14(DEC)   |
| Wire colours                | Red: V+, Black: V-, Yellow: Modbus A, Green: Modbus B |



## *Contact*

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