HIDROTURB®
TURBIDITY SENSOR

WATER TREATMENT

HIDROTURB®

Instrument for continuous measurement of turbidity in water treatment plants.

Developed for p**recise and continuous monitoring of water quality in WTP and industrial processes**. Water and effluent treatment plants need to monitor turbidity to ensure quality and system efficiency.

Based on the **nephelometric** principle, the equipment measures light scattering caused by suspended particles in the water, providing precise and uninterrupted Turbidity readings, which is a microbiological indicator and a very important control parameter for potable water production.

With high sensitivity and rapid response, the sensor allows tracking turbidity variations in real time, aiding in the operational control of **WTPs, filtration systems, and effluent treatment processes**.

Among its main benefits are:

- Continuous monitoring of water quality;

- Support for filtration optimization;

- Rapid identification of process variations;

- Greater operational control efficiency.

HidroTurb was designed to offer robustness, precision, and reliability, attending the requirements of modern water treatment systems.

With HidroTurb, the user has:

- Possibility of acquisition or service contract;

- Automated and periodic reports and alerts;

- Permanent warranty;

- Software updates;

- Online technical support at no additional cost.

HIDROTURB®

Precision in turbidity control. More efficiency in water treatment.

Product specifications and advantages:

- Turbidity reading attending the requirements of the ISO 7027 standard;

- Dual LED for increased precision;

- Measurement limits: 0,02 to 1,000 NTU;

- Continuous monitoring;

- Integration with Hidro Solo IoT platform for monitoring and data storage (iot.hidrosolo.com.br);

- IoT Platform with an interactive graphical dashboard;

- Allows the creation of alarms;

- 2" LCD display;

- Data stored on AWS (Amazon servers);

- Allows the incorporation of other sensors: pH, Chlorine, Color, etc.

IoT platform integrated into the product, with an interactive dashboard allowing continuous monitoring.

Users are able to access HidroTurb data from anywhere via smartphone, tablet or computer. The platform, fully developed by Hidro Solo, will assist in a simple and easy manner for monitoring and analysis of collected data.