

ONLINE PH ANALYZER

Model TMC-102 + TPS101

TPS101 Series of online pH sensor for cleaning water, realizes the automatic temperature compensation in the interior of the sensors. High precision, good stability, long lifetime, with rapid response, low maintenance cost, real-time online measurement characters etc...

Features

- Measuring range: 0 – 14 pH
- Temperature range: 0 – 50 °C
- Built in temperature sensor, real-time temperature compensation.
- **High and low alarm:** set-up high and low alarm via relay output.
- **Waterproof and dust-proof:** good sealing instrument.
- **Accessories:** integrated flowcell for electrode pH; integrated regulator valve
- **Multi-screen display:** There are four kinds of sensors can connect to display, user-friendly display for the different requirements;
- **pH calibration:** provide slope calibration, clear menu design.
- **Completed system ready to use.**



TECHNICAL SPECIFICATION

Completed system specification:

Housing box: ABS material ; IP 67

Model controller: TMC-102

Display: Graphic LCD

Input sensor: max. 04 sensors

Response time: < 10s

Transistor output for alarm/control: 2x1A/24 VDC

Communication output: Modbus RTU (RS485)

Analog output: 3x 4-20 mA

Integrated IoT card using GSM technology using
GPRS/3G/4G data sim card (Option)

Power supply: 220 VAC or 24 VDC

Model sensor: TPS101

Measuring range: 0.0 to 14 pH ;Temperature: 0 ~ 50.0°C

Accuracy: pH: ±0.1 pH; Temperature: ±0.5°C Resolution:

pH: 0.01 pH; Temperature: 0.1°C Resolution: 0.01 pH

Repeatability: 0.01 pH

Working environment temperature: 0 to 45°C

Working pressure: Min. 1.2 bar ; Max. 2.5 bar

Dimension of panel: W350 x H670 mm x L140mm

