

PORTABLE WATER-QUALITY ANALYZER / DATA SHEET

SW21-01

Portable Multi-Parameter Detector

A portable multi-parameter detector with a handheld controller, interchangeable sensors, portable suitcase and supporting accessories.

Overview

SW21-01 is a portable multi-parameter water-quality detector designed for plug-and-play operation, easy handling and intelligent data storage. It can detect indicators such as pH, dissolved oxygen, conductivity, turbidity, COD and ammonia nitrogen. The instrument is suitable for laboratories, surface water, industrial water and secondary water-supply applications, as well as on-site emergency detection, data comparison and verification, and water-quality index measurement.



**3.3-inch LCD
DISPLAY**

**IP67
PROTECTION**

**420 g
WEIGHT**

**Lithium / AA NiMH
POWER SUPPLY**

FEATURES & APPLICATIONS

Key Features & Applications

Key Features

- Result smart lock.
- Smart alarm.
- Circuit protection.
- Plug and use.
- Electrode switching.
- Automatic compensation.
- Dual power supply.
- Waterproof IP67.

Application Areas

- Environmental monitoring.
- Industrial water.
- Laboratory testing.
- Secondary water supply.

MEASUREMENT SCOPE

Multi-Parameter Water-Quality Detection

The source material identifies pH, dissolved oxygen, conductivity, turbidity, COD and ammonia nitrogen as example measurement indicators. The available sensor and electrode combination determines the actual testing configuration; no additional measurement principle is inferred from the source document.

SYSTEM COMPOSITION

Field-Ready Multi-Parameter Kit

The source package includes a handheld controller, various sensors, a portable suitcase and supporting accessories.

SYSTEM DATA

Technical Specifications

Parameter	Specification
Display Screen	3.3-inch monochrome LCD display
Dimensions	200 × 101 × 36 mm
Weight	420 g
External Interface	Electrode interface ×2; USB ×1
Data Storage	Automatic interval saving; automatic lock saving
Protection Level	IP67
Power Supply	Lithium battery / AA NiMH battery
Relative Humidity	10–85% RH (no condensation)
Working Environment Temperature	–5–50 °C
Transportation and Storage Conditions	Temperature: –15–65 °C; relative humidity: 5–85% RH (no condensation)

CONFIGURATION

Supported Measurement Indicators

The source material identifies pH, dissolved oxygen, conductivity, turbidity, COD and ammonia nitrogen as example measurement indicators. Actual testing items and configuration depend on the selected electrodes, supporting accessories and supply configuration.

CONTACT / SUPPORT

SpeSense Technologies Inc.

Add: No. 9 Yuhe Road, Guitang Subdistrict, Yuhua District, Changsha City

Tel: +86-15386478166

Email: info@spesense.com

Web: www.spesense.com



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