Just measure
Know Your Water



JMX-600-A

Multi-functional Handheld Meter

Auto sensor recognition · IP67 waterproof · USB data export · Barometric + salinity compensation

16 sensor options

Product Introduction

The JMX-600-A is a multi-functional handheld meter with a backlit display and keypad for simple, clean operation.

It supports automatic recognition of a wide range of sensors (fluorescence dissolved oxygen, conductivity (salinity), turbidity, chlorophyll, blue-green algae, pH, ORP, oil-in-water, sludge concentration, COD, ammonia nitrogen, CDOM and more), data reading and storage, sensor calibration, and USB data export for advanced functions.

The whole unit is IP67-rated — including the battery compartment — providing excellent waterproof and dust-proof performance for use in various environments.

Product Features

- Long-life rechargeable lithium battery powering the handheld host and sensors
- Built-in barometric-pressure sensor for automatic dissolved-oxygen compensation
- Simple and easy to use — intuitive operation without a manual
- Handheld meter automatically recognizes digital smart sensors and stores data — ready to measure on power-up
- Every sensor can be replaced, calibrated and maintained on site for maximum flexibility and convenience

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HANDHELD METER

Backlit display · Auto sensor recognition · USB export

Product Specification

Parameter	JMX-600-A Handheld Meter
Dimensions	220 × 96 × 44 mm
Meter weight	460 g (with batteries)
Power	2 × 18650 rechargeable batteries
Operating temperature	-5 to 50 °C
Display	54.38 × 54.38 mm LCD, backlit
Data storage	Supported
Barometric compensation	Built-in, auto 50–115 kPa
Salinity compensation	Auto after input (0–80 ppt)
Protection class	IP67
Interface	RS-485 output, MODBUS protocol
Cable length	5 m (default), customizable
Warranty	1 year

Connectable Sensors

Sensor	Model	Principle	Range	Accuracy	Material
Dissolved oxygen	**JM507-A**	Fluorescence	0–50 mg/L or 0–500% sat.	0–20 mg/L: ±1% or ±0.2 mg/L; >20 mg/L: ±5% or ±0.6 mg/L	316L
Turbidity	**JM510-B**	90° scattered light	0–1000 or 0–4000 NTU	±5% or 0.3 NTU (greater)	Titanium
Conductivity (salinity)	**JM521-A3** **JM523-A**	Four-electrode	Cond. 0–200 mS/cm; Sal. 0–175 ppt; TDS 0–128000 mg/L	±1% or 0.01 mS/cm (greater); ±1 ppt	PEEK + Titanium
pH	**JM532-A**	Glass electrode	0–14 pH	±0.02 pH	POM + Titanium
ORP	**JM533-A**	Platinum elec.	-1999 to 1999 mV	±20 mV	POM + Titanium
Chlorophyll	**JM515-A**	Fluorescence	0–500 µg/L	±5% or 0.5 µg/L (greater)	Titanium
Blue-green algae	**JM613-B**	Fluorescence	0–300000 cells/mL (up to 2M opt.)	Linearity R^2>0.999	Titanium
COD	**JM551-B/C**	UV absorption	0–500 mg/L, 0–1500 mg/L	±5%	316L
Ammonia nitrogen	**JM561-A**	Ion-selective elec.	0–100 or 0–1000 mg/L	±10% or ±0.5 mg/L (greater)	POM + Titanium
Oil-in-water	**JM616-B**	UV fluorescence	0–50 or 0–150 ppm	Linearity R^2>0.999	Titanium
PAH	**JM517-A**	UV fluorescence	0–1100 ppb (BTEX); 0–1000 ppb (PAH)	Linearity R^2>0.999	316L
Suspended solids	**JM512-A**	IR scattered light	0–4000 or 0–15000 mg/L	±5%	Titanium
Sludge concentration	**JM518-A**	IR scattered light	0–50000 mg/L	±5%	POM + 316L
CDOM	**JM519-A**	UV fluorescence	0–400 ppb	Linearity R^2>0.999	316L
Transparency	**JM530-A**	Transmission	0–500 cm	±5%	316L
Color	**JM531-A**	Absorption	0–500 Hazen	Linearity R^2>0.999	Titanium

Specifications are based on laboratory standard-environment conditions. · Just-measure ApS · djb@just-measure.com · www.just-measure.com