Dissolved H2 Meter-ORP-Temp. Meter Combo YY-406

Code: YY-406 HSN: 90278090 GST: 18% Brand: AVAIN LABS








AVAIN LABS® Dissolved H2 Meter-ORP-Temp. Meter Combo YY-406

The AVAIN LABS® Dissolved H2 Meter-ORP-Temp. Meter Combo YY-406 is a compact multi-parameter digital meter designed for convenient measurement of dissolved hydrogen (H2), ORP (Oxidation-Reduction Potential), and temperature. It provides accurate and easy-to-read measurements in a portable format, making it suitable for laboratory, water-quality, research, and analytical applications.

The YY-406 measures dissolved hydrogen from 0 to 2400 ppb (0 to 2.40 ppm), with a resolution of 2 ppb and accuracy of ±10 ppb. It also measures ORP from -1200 to +1200 mV, with a resolution of 1 mV and accuracy of ±5 mV. Temperature measurement is provided with 0.1 °C resolution, ±0.2 °C accuracy, and a 0 to 50 °C ATC range.

Its compact dimensions of 175 × 41 × 23 mm and battery-powered operation using 4 × 1.5 V LR44 batteries make the YY-406 convenient for routine measurements and portable testing.

Key Features

- Measures Dissolved Hydrogen (H2), ORP, and Temperature
- Dissolved Hydrogen measuring range: 0–2400 ppb / 0–2.40 ppm
- ORP measuring range: -1200 to +1200 mV
- Dissolved Hydrogen resolution: 2 ppb
- ORP resolution: 1 mV
- Temperature resolution: 0.1 °C
- Dissolved Hydrogen accuracy: ±10 ppb
- ORP accuracy: ±5 mV
- Temperature accuracy: ±0.2 °C
- Automatic Temperature Compensation (ATC): 0–50 °C
- Compact and portable design
- Battery powered by 4 × 1.5 V LR44
- Dimensions: 175 × 41 × 23 mm

Technical Specifications

Applications

The AVAIN LABS® YY-406 Dissolved H2 Meter-ORP-Temp. Meter Combo is suitable for water quality testing, dissolved hydrogen measurement, ORP measurement, laboratory analysis, research applications, environmental testing, and general analytical applications where monitoring dissolved hydrogen, oxidation-reduction potential, and temperature is required.

Specifications	
Model	YY-406
Measurement Range – Dissolved Hydrogen	0–2400 ppb / 0–2.40 ppm
Measurement Range – ORP	-1200 to +1200 mV
Resolution – Dissolved Hydrogen	2 ppb
Resolution – ORP	1 mV
Resolution – Temperature	0.1 °C
Accuracy – Dissolved Hydrogen	±10 ppb
Accuracy – ORP	±5 mV
Temperature Accuracy	±0.2 °C
Temperature ATC Range	0–50 °C
Power Source	4 × 1.5 V (LR44)
Dimensions	175 × 41 × 23 mm

Available models (3)

Cat. No.	Model / Size	Size	Measurin...	Resolution	Accuracy	Temperat...	Temperat...	HSN
YY-406-S1		Small						90278090
YY-406-S2		Large						90278090
YY-406	Dissolved Hydrogen: 0 ~ 2400 ppb-0 ~ 2.40 ppm ORP: -1200 ~ + 1200 mV, Dissolved Hydrogen: 2 ppb ORP: 1 mV Temp.: 0.1°C, Dissolved Hydrogen: ±10 ppb OR		Dissolved Hydrogen: 0 ~ 2400 ppb-0 ~ 2.40 ppm ORP: -1200 ~ + 1200 mV	Dissolved Hydrogen: 2 ppb ORP: 1 mV Temp.: 0.1°C	Dissolved Hydrogen: ±10 ppb ORP: ±5 mV	±0.2°C	0 to 50°C	90278090

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