

(Rough Translation)



# DH-35A

PORTABLE DISSOLVED HYDROGEN METER

**Easy Operation      Quick Response      Air Calibration Possible**

DH-35A measures, highly accurately and quickly, dissolved hydrogen contained in the water feed lines for thermal power plants, nuclear power plants, corrosion test plants for metal materials, etc. DH-35A is also suitable for research of electrolysis generated water, and water quality management.



### Features

- **Quick Response:** Newly developed membrane type polarographic electrode. Quick response – 90% response in 30 sec or less for 100% to 0% H<sub>2</sub> gas.
  - **High Sensitivity:** Highly sensitive measurement with micro g/L.
  - **Atmospheric Calibration:** Explosive hydrogen standard gas not necessary.
  - **Easy Operation**
  - **Drip Proof Structure:** Drip proof when using batteries.
  - **2-Way Power Source:** Batteries and AC power source.
  - **Flow Cell:** Compact flow-through cell equipped.
- Analog Output:** Analog output cable provided as standard accessories.

## Specifications

Measuring method:	Membrane type polarographic method
Display:	LCD
Measuring range:	0ppb (micro g/L) to 10ppm (mg/L)
Display range:	0 to 19.99ppm / 0 to 1.999ppm / 0 to 199.9ppb
Range control:	Manual
Repeatability (main unit):	+/- 5% full scale
Response time:	90% response in 30 seconds or less for 100% H2 gas to 0% H2 gas
Temperature compensation:	Automatic, 5 to 40 deg. C
Calibration:	Manual calibration by volume. Zero: Electric Zero calibration, 100% N2 gas calibration Span: Atmospheric calibration, hydrogen standard gas
Analog output:	0 to 1 V (each range)
Ambient conditions:	0 to 45 deg. C, 0 to 85% RH
Power source:	Dry batteries LR14 x 6 pcs. or AC 100V
Size and weight (main unit):	Approx. 250 (W) x 160 (H) x 95 mm (D), approx. 2.0kg

## Standard Accessories

Dissolved hydrogen electrode HE-532102 x 1	Flow cell assembly 6832210K x 1
Dry battery LR14 (for test) x 6	AC adaptor x 1
Analog output cable DO-1L x 1	Carrying case 137C022 x 1
Instruction manual x 1	

## Dissolved Hydrogen Electrode

Type:	HE-532102	HE-532202
Material for contact part:	FEP, PP	FEP, SUS316
Material for housing:	PP	SUS316
Sample conditions:	Pressure: 1MPa (10kgf/cm <sup>2</sup> ) gauge pressure or less	
	Flow rate: 0.2 to 2 L/min	
	Temperature: 0 to 50 deg. C	

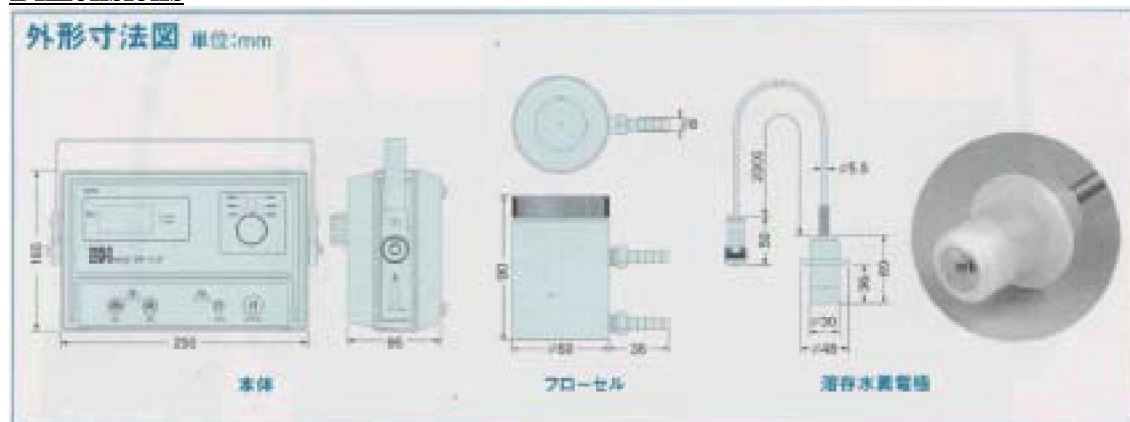
## Option

Recovering device for DH electrode DHE-R2S

## Items to be Separately Ordered

Electrolyte R-8 50mL (P/N R-8)  
Membrane T-25, 10 pcs/pack (P/N XA921324)

## Dimensions



Main unit

Flow Cell

Dissolved Hydrogen Electrode