DH-35A

Portable Dissolved Hydrogen Meter

Simple operation, Quick response, and Atmospheric calibration possible

DH-35A measures trace amounts of dissolved hydrogen contained in the water supply system in thermal power plants, nuclear power plants, and corrosion-testing plants for metallic materials with high response and high accuracy.
In addition, it demonstrates its outstanding performance in the measurement of electrolysis forming water and in water quality management.

DKK-TOA CORPORATION

DH-35A Portable Dissolved Hydrogen Meter

Features

●Simple Operation, Quick Response

The use of the membrane type polarographic electrode technique allows the determination of dissolved hydrogen in solutions easily.
In addition, 100% to 0% H_2 gas has been used for high response measurement with 90% response in 30 seconds or less.

●High Sensitivity

High sensitivity measurement in the order of μg/L is possible.

●Atmospheric Calibration

Due to the adoption of the atmospheric calibration method, there is no need to use hydrogen standard gas that poses a risk of explosion.

●Drip-proof Construction

The main unit has a drip-proof construction, and it can be exposed to water.

●2 Power Supply Operation

In addition to AC power supply, dry cell batteries can also be used at any measurement point.

●Flow Cell

The flow cell is small and easy to operate and maintain. Measurement can be made without being affected by outside air.

●Analog Output

Continuous recording of the amount of dissolved hydrogen is possible by connecting the recorder.
(Output cable is supplied as standard.)

Specifications

Measurement method	Membrane type polarographic method
Display unit	LCD display unit
Measurement range	Oppb(μg/L) to 10ppm(mg/L) Note: Measurement exceeding the saturated dissolved hydrogen content is not possible.
Display range	0 to 19.99ppm 0 to 1.999ppm 0 to 199.9ppb
Range switch	Manual
Repeatability (main body)	± 0.25% full scale
Responsiveness	90% response in 30 seconds or less (with 100% H_2 gas to 0% H_2 gas)
Temperature compensation range	Automatic temperature compensation: 5 to 40℃
Calibration	Manual calibration by volume ZERO: Electric ZERO calibration, calibration with 100% N_2 gases SPAN: Atmospheric calibration, Hydrogen standard gas calibration
Analog output	0 to 1 V (each range)
Ambient conditions	0 to 40℃ 45 to 85% RH
Power supply	Six C size alkaline batteries or AC100V (Dedicated AC adapter)
Dimensions/ Weight	Approx. 250 (W) × 160 (H) × 95 (D) mm Approx. 2.0kg

Standard Accessories

Dissolved hydrogen electrode HE-532102	Output cable DO-1L
Flow cell ASSY 6832210K	Carrying case 7756510K
C size alkaline batteries (for testing) (6pcs.)	Shoulder bag 124M062
AC adapter YD-12	Instruction manual

Dissolved Hydrogen Electrode

Model name		HE-532102	HE-532202
Wetted part material		FEP, PP	FEP, SUS316
Housing material		PP	SUS316
Measurement solution conditions	Pressure	1MPa(10Kgf/cm²) gauge pressure or lower	
	Flow rate	0.2 to 2L/min	
	Temperature	0 to 50℃	

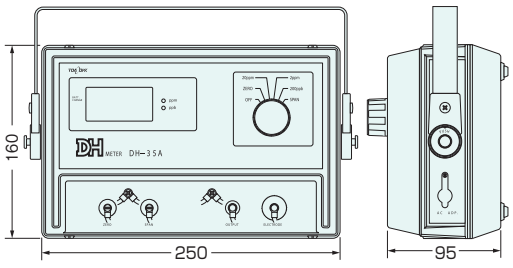
Option

Electrode Regenerate Device DHE-R2S

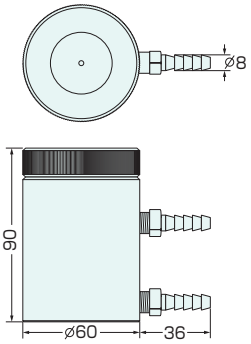
Sold Separately

Electrolyte R-8 50mL (P/N R-8)
Membrane T-25 10 filled(P/N 6921480K)

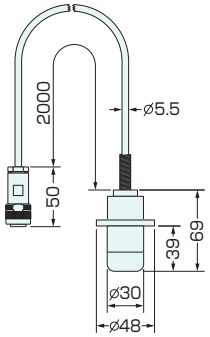
Dimensions : mm



Main Unit



Flow Cell



Dissolved Hydrogen Electrode

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CAUTION Please read the operation manual carefully before using products.

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Specifications and prices are subject to change without notice.

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