

**FIELD ENVIRONMENTAL
INSTRUMENTS, INC.**

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SPECS

ENVIRONMENTAL EQUIPMENT AND FIELD SUPPLIES

Horiba D-50 Series Handheld Water Quality Meters Specifications

Unit	D-51	D-52
Measurement Range	pH 0.00 to 14.00 (Glass electrode method)	pH 0.000 to 14.000 (Glass electrode method) (Resolution 0.01/0.001pH)
(Measuring Method)	(Resolution 0.1 °C) Temperature 0.0 to 100.0 °C Temperature 0.0 to 100.0 °C	ORP -1999 to 1999 (Glass electrode method) (Resolution 1 mV) Temperature 0.0 to 100.0 °C (Resolution 0.1 °C)
Repeatability	pH ± 0.01 pH ± 1 digit Temperature ± 0.1 °C ± 1 digit	pH ± 0.01 pH ± 1 digit mV (ORP) ± 1 mV ± 1 digit Temperature ± 0.1 °C ± 1 digit
Power Supply	DC3V (LR6 dry cell battery)	DC3V (LR6 dry cell battery)
Mass	approx. 300g	approx. 300g
Option(s)	AC adaptor	AC adaptor RS232C printer output

Unit	D-53	D-54
Measurement Range	pH 0.00 to 14.00 (Glass electrode method) (Resolution .01pH)	pH 0.00 to 14.00 (Glass electrode method) (Resolution 0.01pH)
(Measuring Method)	ORP -1999 to 1999 (Glass electrode method) (Resolution 1 mV) ION 0.0 μ to 999g/L (mol/L) Temperature 0.0 to 100.0 °C (Resolution 0.1 °C)	ORP -1999 to 1999 (Glass electrode method) (Resolution 1 mV) Temperature 0.0 to 100.0 °C (Resolution 0.1 °C) Conductivity Cell constant 100m ⁻¹ : 0.000mS/m – 19.99S/m Cell constant 10m ⁻¹ : 0.0 μ S/m – 1.999S/m Cell constant 1000m ⁻¹ : 0.00mS/m – 199.9S/m Resolution 0.05% F.S.
Repeatability	pH ± 0.01 pH ± 1 digit mV (ORP) ± 1 mV ± 1 digit Temperature ± 0.1 °C ± 1 digit ION ± 0.5 %F.S. ± 1 digit	pH ± 0.01 pH ± 1 digit mV (ORP) ± 1 mV ± 1 digit Temperature ± 0.1 °C ± 1 digit Conductivity ± 0.5 %F.S. ± 1 digit

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866-580-5499

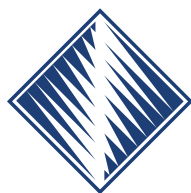
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Horiba D-50 Series Handheld Water Quality Meters Specifications (cont.)

Unit	D-53	D-54
Power Supply	DC3V (LR6 dry cell battery)	DC3V (LR6 dry cell battery)
Mass	approx. 330g	approx. 330g
Option(s)	AC adaptor RS232C printer output	AC adaptor RS232C printer output

Unit	D-55
Measurement Range	pH 0.00 to 14.00 (Glass electrode method)
(Measuring Method)	(Resolution 0.01 pH) ORP -1999 to 1999 (Glass electrode method) (Resolution 1 mV) Temperature 0.0 to 100.0 °C (Resolution 0.1 °C) Dissolved Oxygen 0.00 to 19.99mg/L (Resolution 0.01mg/L)
Repeatability	pH ± 0.01 pH ± 1 digit mV (ORP) ± 1 mV ± 1 digit Temperature ± 0.1 °C ± 1 digit Dissolved Oxygen ± 0.1 mg/L ± 1 digit
Power Supply	DC3V (LR6 dry cell battery)
Mass	approx. 330g
Option(s)	AC adaptor RS232C printer output

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