

# FIELD Environmental Instruments

Equipment Rental and Field Supplies

**Horiba**

**Model U-22  
Water Quality Monitoring System**

*"Your Needs Are Our Business"*

**Toll-Free  
800-393-4009**



The Horiba U-22 Monitoring System offers laboratory quality measurements in a portable package ready for use in tough field conditions.

The versatility & monitoring capabilities of the U-22 make it an excellent choice in lake, well, groundwater, ocean sewer and irrigation water applications

## FEATURES

- Fits in two inch wells
- Up to one month data logging
- Measurement at depths as low as 100 meters
- Measures 10 parameters simultaneously; pH, DO, Conductivity, Salinity, TDS, Seawater specific gravity, Temperature, Depth, and ORP
- Automatic one point or manual two point calibration
- Immersed sensor detection
- Large digit LCD

## SPECIFICATIONS

PARAMETERS	MEASURING PRINCIPLE	RANGE	RESOLUTION	REPEATABILITY	ACCURACY
<b>pH</b> · Two point calibration · Automatic Temp. Compensation	Glass Electrode Method	pH 0~14	0.01 pH	+/- 0.05 pH	+/- 0.1 pH
<b>Dissolved Oxygen</b> · Salt correction (0 to 40ppt/automatic) · Automatic Temp Compensation	Diaphragm galvanic battery method	0~19.99 mg/L	0.01 mg/L	+/- 0.1 mg/L	+/- 0.2 mg/L
<b>Conductivity</b> · Auto Range · Automatic Temp conversion (25° C) · SI units	4 AC Electrode Method	0 ~ 9.99 S/m	0.1% FS	+/- 1%	+/- 3%
<b>Salinity</b>	Conductivity Conversion	0~4 %	0.01%	+/- 0.1%	+/- 0.3%
<b>TDS</b> Conversion factor setting	Conductivity Conversion	0 ~ 99.9 g/L	0.1% FS	+/- 2g/L	+/- 5g/L
<b>Seawater</b> Specific Gravity · Display $\sigma_t$ , $\sigma_0$ , $\sigma_{15}$	Conductivity Conversion	0~50 $\sigma_t$	0.1 $\sigma_t$	+/-2 $\sigma_t$	+/-5 $\sigma_t$
<b>Temperature</b>	Thermistor Method	0~55° C	0.01° C	+/-0.3° C	+/-1.0° C
<b>Turbidity</b> Unit Selection	Penetration and scattering method	0~800 NTU	0.1 NTU	+/-3%	+/-5%
<b>Water Depth</b>	Pressure Method	0~100m	1m	+/-3%	+/-5%
<b>ORP</b>	Platinum Electrode Method	+/-1999mV	1mV	+/-5mV	+/-15mV

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