

VideoRay Pro 4 YSI Sonde

The **YSI 600XL Sonde** is an economical sampling system for long-term, *in situ* monitoring and profiling. The VideoRay Pro 4 ROV powers the sonde, while the data is collected by either of the YSI recording applications, 6200 DAS or EcoNet™.

The YSI Sonde measures the following parameters:

- » Dissolved Oxygen (Rapid Pulse® DO, %, and mg/L)
- » Temperature
- » Conductivity
- » Salinity
- » Specific Conductance
- » Resistivity
- » Depth or Shallow Vented Level
- » pH
- » ORP
- » Total Dissolved Solids

The YSI 600XL Sonde is delivered with a VideoRay Integration Kit, which includes all the mounts, cables, and software necessary for operation. The YSI Sonde is only compatible with VideoRay Pro 4 ROV Systems.



VideoRay Pro 4 ROV
equipped with YSI sonde

BASIC SPECIFICATIONS

Depth Rating:	61 m (200 ft)
Dimensions: <i>(diameter x length)</i>	4.19 x 40.6 cm (1.65 x 16 in)
Weight:	.59 kg (1.3 lb)
Medium:	Fresh, sea, or polluted water
Temperature:	
- Operating:	-5 to +50°C (23 to 122°F)
- Storage:	-10 to +60°C (14 to 140°F)



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YSI 600XL Sensor Specifications

	Range	Resolution	Accuracy	
Dissolved Oxygen % Saturation 6562 Rapid Pulse™ Sensor* ET ✓	0 to 500%	0.1%	0 to 200%: ±2% of reading or 2% air saturation, whichever is greater; 200 to 500%: ±6% of reading	
Dissolved Oxygen mg/L 6562 Rapid Pulse™ Sensor* ET ✓	0 to 50 mg/L	0.01 mg/L	0 to 20 mg/L: ±0.2 mg/L or 2% of reading, whichever is greater; 20 to 50 mg/L: ±6% of reading	
Conductivity* 6560 Sensor* ET ✓	0 to 100 mS/cm	0.001 to 0.1 mS/cm (range dependent)	±0.5% of reading + 0.001 mS/cm	
Salinity 6560 Sensor* ET ✓	0 to 70 ppt	0.01 ppt	±1% of reading or 0.1 ppt, whichever is greater	
Temperature 6560 Sensor* ET ✓	-5 to +50°C	0.01°C	±0.15°C	
pH 6561 Sensor* ET ✓	0 to 14 units	0.01 unit	±0.2 unit	
ORP	-999 to +999 mV	0.1 mV	±20 mV	
Depth & Level	Medium Shallow Vented Level	0 to 200 ft, 61 m 0 to 30 ft, 9.1 m 0 to 30 ft, 9.1 m	0.001 ft, 0.001 m 0.001 ft, 0.001 m 0.001 ft, 0.001 m	±0.4 ft, ±0.12 m ±0.06 ft, ±0.02 m ±0.01 ft, 0.003 m

* Report outputs of specific conductance (conductivity corrected to 25° C), resistivity, and total dissolved solids are also provided. These values are automatically calculated from conductivity according to algorithms found in *Standard Methods for the Examination of Water and Wastewater* (ed 1989).