

SPER SCIENTIFIC

Environmental Measurement Instruments



Reimagine Remote Monitoring with
Raphael™





Raphael™

Reimagine Remote Monitoring.

Rather than sending technicians to periodically test water quality, Raphael™ streams the data to you. Raphael™ transmits the data to our secure cloud server via global GSM cellular. You are then able to access it, in real time, from any computer with an internet connection. Our sophisticated cloud based software allows you to easily view, and analyze, data and graphs from multiple sensors and locations simultaneously. You see data, changes and problems as they happen, rather than after the fact. All data is highly encrypted so that only you will be able to access it. If required, the system will also send you SMS or E-mail alerts when a threshold is crossed.

Raphael™ is an autonomous, stand-alone system. Together with our cloud based subscription software you have a complete,

ready to go, solution for remote water quality monitoring. The system is easily scalable up to an entire smart water network and comes with a built in interface for SCADA systems.

Housed in a rugged waterproof case Raphael™ will stand up to many years in the field even in harsh conditions. Special military grade batteries and unique power usage algorithms enable the unit to work autonomously for years of typical use. Optional connections for AC power are also available.

Raphael™ is available in standard configurations, but can be customized to work with any sensors you require. Simply place Raphael's™ sensors in water pipes, ground water, canals, rainfall runoff, or wherever quality monitoring is needed and let the data come to you.

Sample Raphael™ Applications

Agriculture

- Wells, Canals, Runoff, Irrigation

Aquaculture

- Marine & Freshwater

Environment

- Precipitation, Temperature, Microbial Contamination, Climate & Microclimate Analysis Ecosystem Health

Industrial & Commercial

- Power Plants, Manufacturers, Boilers & Chillers, Storage Tanks

Oil & Gas Industry

- Upstream, Midstream & Downstream

Water Infrastructure

- Clean Water, Dirty Water, Rivers, Lakes, Streams



	Description	No.	MSRP
Raphael™ with 1 Year of Service*		870001	\$1,949
Can combine up to THREE of these sensors per Raphael™	Raphael™ - Non-Contact Ultrasonic Level (25-ft Cable)	871101	\$907
	Raphael™ - Submersible Hydrostatic Sensor (35-ft Cable)	871201	\$1,389
	Raphael™ - Multi-Parameter Sensor (10-ft Cable)	871401	\$5,299
	Raphael™ - Non-Contact Radar Flow Sensor (30 to 1000-ft Cable)	871601	Call for Pricing
	Raphael™ - Turbidity Sensor (20-ft Cable)	871701	\$3,672
	Raphael™ - Conductivity & Salinity Sensor (20-ft Cable)	871801	\$1,699
	Raphael™ - Dissolved Oxygen Sensor (20-ft Cable)	871901	\$2,181
	Raphael™ - pH, ORP & Temperature Sensor (20-ft Cable)	872001	\$2,138
	Raphael™ - Submersible Hydrostatic Sensor (35-ft Cable)	872301	\$1,825
	Raphael™ - Non-Contact Radar Level Sensor (49 to 164-ft Cable)	872401	\$7,387
	Raphael™ - Temperature String Sensor (Scalable up to 540-ft in increments of 10-in to 98-in Cables)	872601	\$931
	Raphael™ - Radar Level Sensor (30-ft Cable)	872701	\$4,237
	Raphael™ - Non-Contact Radar Level Sensor (40-ft Cable)	872801	\$1,496
Can ONLY be combined together per Raphael™	Raphael™ - Level Switch Sensor (20-ft Cable)	871501	\$86
	Raphael™ - Rain Gauge Sensor (6-ft Cable)	872201	\$1,873
ONE sensor only per Raphael™	Raphael™ - Electric Pressure Sensor (16-ft Cable)	871301	\$447
	Raphael™ - TSS (Total Suspended Solids) Sensor (20-ft Cable)	872101	\$3,272
	Raphael™ - Turbidity Optics Sensor (33-ft Cable)	872501	\$3,107
	Raphael™ - Phycocyanin Optics Sensor (33-ft Cable)	872901	\$5,215
	Raphael™ - CDOM/FDOM Optics Sensor (33-ft Cable)	873001	\$5,804

*Comes with 1-Year of Two-Way Cyber Secure GPSR/GSM/CDMA Data Transmission & Encryption, Embedded GPS for Time/Location, Cloud Data Storage & Web Based Data Software. (\$250 value).

SPER
SCIENTIFIC

DIRECT

8281 E. Evans Rd., Suite 103
Scottsdale, AZ 85260
(480) 948-4448 | (480) 967-8736 (fax)
raphael@sperdirect.com
www.sperdirect.com

Version: 12212016



**Request
a Demo**

Go to: **DemoRaphael.com**