Introducing | Roam™

Fast, accurate, real-time water testing in the palm of your hand.

Water testing done with the push of a button

When we say that Roam™ is easy to use, we mean it. With the e-sens Roam™ you can easily...

- Test water without the prep work; just pour in the water sample and the device does the rest.
- Sync with your mobile device's Bluetooth for instant data transmission.
- Conduct testing in virtually any location or environment.

Accuracy is everything

If you want testing to be done right, the first time, trust e-sens Roam™ to...

- Improve testing accuracy through greater user-to-user consistency.
- Generate results from 23 different test parameters in a fraction of the time.
- Provide the central office with greater visibility into what's happening in the field.

Cut down on test time and cost

We know time and money are important resources. Let Roam™ save you on both by...

- Eliminating the need for cumbersome reagents and solutions with our simple all-inclusive cartridge.
- Providing multi parameter testing that eliminates the time, cost, and expense of single parameter tests.
- Utilizing a reusable cartridge good for up to 100 separate 23 parameter tests.

Water Quality Data in Real-time

When you want instant access to information, anytime, anywhere, Roam™ delivers by giving you...

- Results that are transmitted to any mobile device and automatically uploaded to your servers for consistent, long-term analytics.
- Instant alerts and notifications in real time with the e-sens mobile app.

Our Free mobile app allows you to collect, track and analyze ALL your water quality parameters. Available on iOS or Android. Search: e-sens

e-sens Roam™ product specs

Included in Box:

- e-sens Roam™
- USB-C Charging Cable
- Wall charger
- Quick Start Guide

Physical Properties:

- Control Button with status indicating RGB LED
- USB charging port with LED indicator
- IP67 dust and water resistant
- Sample protecting lid

Other Properties:

- 5 – 10 hours mixed usage time
- 24.4 Wh (6600 mAh) Li-ion battery
- Supported Operating Systems: iOS, Android
- Bluetooth 4.2 LE
- 100 tests per cartridge
- 30 day life expectancy of cartridge
- 3 year life expectancy of unit

Call 801.839.1071
or visit www.e-sens.com

	Base	Cartridge	Complete Unit
Material	Aluminum	Plastic	
Height	1 7/8 in	2 5/8 in	2 5/8 in
Width	3 3/4 in	3 3/4 in	3 3/4 in
Length	6 1/2 in	5 1/2 in	10 in
Weight	1 lb. 10 oz.	12 oz.	2 lb. 6 oz.
Color	Silver	White	

Measured Chemical Parameters:

Parameter	Operating Range	Accuracy (Whichever is greater)		MDL
pH	5.00 - 11.00	+/- 0.1 pH	n/a	n/a
ORP	-1000 - 2000 mV	+/- 10%	n/a	n/a
Conductivity	5 - 2500 µS/cm	+/- 10%	+/- 20 µS/cm	20 µS/cm
Total Dissolved Solids	2 - 1250 mg/L	+/- 10%	+/- 2 mg/L	2.0 mg/L
Free Chlorine	0.05 - 5.00 mg/L	+/- 10%	+/- 0.1 mg/L	0.05 mg/L
Monochloramine	0.05 - 5.00 mg/L	+/- 10%	+/- 0.1 mg/L	0.05 mg/L
Total Chlorine	0.05 - 5.00 mg/L	+/- 10%	+/- 0.1 mg/L	0.05 mg/L
Free Ammonia	0.02 - 5 mg/L	+/- 10%	+/- 0.2 mg/L	0.02 mg/L
Total Ammonia	0.05 - 5 mg/L	+/- 10%	+/- 0.2 mg/L	0.05 mg/L
Chlorine to Ammonia Ratio	0.01 - 10 pts	+/- 10%	+/- 0.5 pts	n/a
Nitrification Potential	1 - 250 pts	+/- 10%	+/- 5 pts	n/a
Calcium Hardness	2 - 1250 mg/L	+/- 5%	+/- 10 mg/L	2.0 mg/L
Magnesium Hardness	5 - 1250 mg/L	+/- 5%	+/- 10 mg/L	2.0 mg/L
Total Hardness	5 - 2000 mg/L	+/- 5%	+/- 10 mg/L	2.0 mg/L
Ionic Calcium	1 – 500 mg/L	+/- 5%	+/- 1 mg/L	1.0 mg/L
Ionic Magnesium	1 – 500 mg/L	+/- 5%	+/- 1 mg/L	1.0 mg/L
Sensor Temperature	5 – 40 C	+/- 5%	+/- 1 C	5 C
Total Ammonia w/ MCl	0.05 - 5 mg/L	+/- 10%	+/- 0.2 mg/L	0.05 mg/L
Dissolved Carbon Dioxide	0.05 - 50 mg/L	+/- 10%	+/- 1 mg/L	0.05 mg/L
Carbonate Alkalinity	10 - 400 mg/L	+/-10%	+/- 5 mg/L	10 mg/L
Langelier Saturation Index	-10 - 10.00 pts	+/- 10%	n/a	n/a
Ryzner Stability Index	0 - 12.00	+/- 10%	n/a	n/a
Dissolved Inorganic Carbon	1.0 - 200 mg/L	+/- 10%	+/- 1 mg/L	1 mg/L