



# Automated Flow Thru Tritium Water Monitor

**Model: TRIMARAN – H<sub>2</sub>O and TRIMARAN – H<sub>2</sub>O-ES**

## Features

- Sensitive Enough to Detect Run-off Changes In Groundwater Tritium Plumes.
- Low Level Real Time Continuous **Tritium-In-Water Monitor**
- **Optional** Capture and Hold Sampling System
- 6 Port Intake Manifold for Sampling 6 Individual Input Lines, Sampled in Series
- Tritium Only; Ignores Other Nuclides

### Sensitivity of TRIMARAN-H<sub>2</sub>O (Standard)

- 13,500 pCi/l in 8 Hours
- 6,750 pCi/l - Detectable in 24 Hours

### Sensitivity of TRIMARAN-H<sub>2</sub>O-ES (Enhanced)

- 13,500 pCi/l in 10 Minutes
- 6,750 pCi/l - Detectable in 12 Hours

## Application

Monitoring changes in Tritium concentration in primary and secondary coolant, entering or leaving the Recombiner, make-up pond or spent fuel pool, etc.

Other applications include monitoring Tritium in processed water, storm water, drain effluent, ground water, rivers, lakes, and ocean currents.

Eliminates the need for pulling samples manually; waiting on expensive lab results. This automated system frees valuable and expensive personnel for other duties.

- NO LSC Fluid / No Waste Product
- Full On-Board Computing System For Data Acquisition, Analysis, Archiving and Retrieval
- USB, **Optional** 4-20 mA
- Easy Integration into Facility Mainframe
- User Settable – Units, Alarm Limits, Flow Rate, etc.
- Rugged, Reliable, Simple Operation
- Steel Frame Mounted; **IP42**


LOW END SENSITIVITIES					
H2O-ES	H2O	H2O-ES	H2O	H2O	H2O
MDA	MDA	MDA	MDA	MDA	MDA
<b>10 MINUTES</b>	<b>8 HOURS</b>	<b>12 HOURS</b>	<b>24 HOURS</b>	<b>7 DAYS</b>	<b>ONE MONTH</b>
<b>500 Bq/L</b>	<b>500 Bq/L</b>	<b>250 Bq/L</b>	<b>250 Bq/L</b>	<b>40 Bq/L</b>	<b>TBD</b>
<b>13,500 pCi/L</b>	<b>13,500 pCi/L</b>	<b>6,750 pCi/L</b>	<b>6,750 pCi/L</b>	<b>1000 pCi/L</b>	<b>TBD</b>



## TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

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