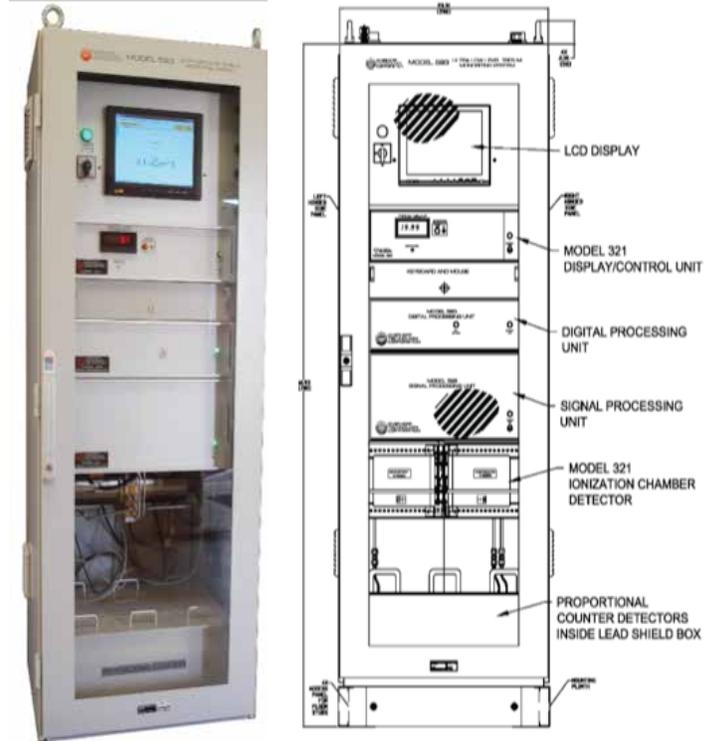


# Ultra-Sensitive Tritium in Water Monitor

## Model 1925-PR and 1925-PR-SEA

### Features

- High Sensitivity – 18,000 PCi/l in 24 Hours
- Detects Tritium in Water Below EPA Drinking Water Standard of 20,000 PCi/l
- Fully Automated, Real-Time and Continuous Operation
- Includes Hydrogen Separator to Separate Hydrogen (Tritium) from Water
- Tritium is Detected by Highly-Sensitive Dual Proportional Counters
- No Waste Generated
- Requires P-10 Gas
- Integrated Computer with Custom Software and Large LCD Display
- Model 1925-PR-SEA Includes Sample Preparation and Robust Plumbing to Withstand Salt Water.



### Application

An ultra-sensitive, fully-automated and real-time instrument used to monitor Tritium in water below the EPA drinking Water Standard of 20,000 PCi/l.

### Description

Detecting Tritium in water at low levels on a real-time, continuous basis is extremely difficult considering Tritium's weak Beta emissions and shielding from the water itself.

**Solution** The 1925-PR includes a hydrogen separator to separate hydrogen (Tritium) from the water. With this separation hydrogen gas can then be measured by highly, sensitive, shielded dual proportional counters.

An optional ionization chamber detector is offered to extend the measurement range (high-end range) and to provide a quicker response time at higher Tritium levels.

### Sensitivity

Sensitivity is to 18,000 pCi/L in 24 hours.

### Fully-Automated, Real-Time Operation

Exceptionally rapid response is due to its unique ability to ignore Radon. The instrument has an electronic time constant.

### No Waste Generated

No liquid scintillant is required and no mixed waste is generated. The proportional counting detectors only require a tank of P-10 gas for operation.



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