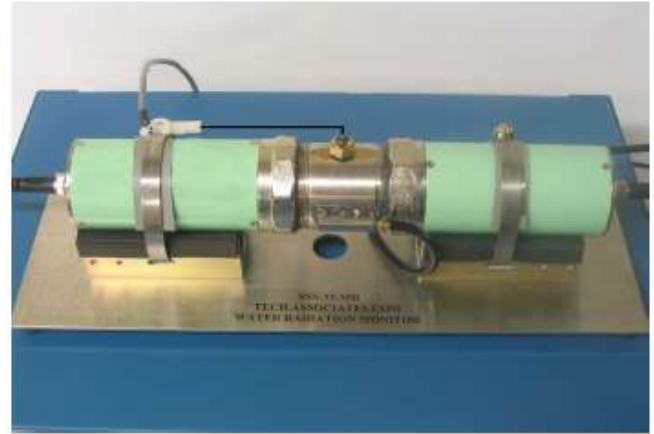


**TRITIUM IN WATER MONITOR
REAL TIME CONTINUOUS
Model # LIQ-X-(H3)**



**TOP VIEW
OF
SHIELDED
DETECTOR**



TOP VIEW OF SHIELDED DETECTOR
屏蔽探测器俯视图

FEATURES: 特点

- REAL TIME – AUTOMATIC 实时-自动
- CONTINUOUS MONITORING 连续监测
- NOT INFLUENCED BY OTHER NUCLIDES 不受其它核素影响
- NO LIQUID SCINTILLANT REQUIRED 无需液体闪烁体
- EASY CALIBRATION 易校准
- SENSITIVE TO 2,000 pCurie/l (Tritium 74 Bq/l)
对 2,000 pCi/l 氚敏感 (74 Bq/l)
- NEW STATISTICAL SIGNIFICANCE DISPLAY
新统计意义显示

TA

TECHNICAL ASSOCIATES

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TRITIUM IN WATER MONITOR

REAL TIME CONTINUOUS

Model # LIQ-X-(H3)

APPLICATION:应用

- MEETS EPA DRINKING WATER LEVELS
符合 EPA 饮用水标准
- MONITOR LEAKS IN CANDU TYPE REACTORS
监测坎杜型反应堆泄漏
- MONITOR TRITIUM
监测氚
- CONTAMINATION IN GROUND WATER.
监测地表水污染
- MONITOR LABORATORY OR PLANT LIQUID WASTE STREAM.
监测实验室或核电站液体废物流

DESCRIPTION: 描述

This system consists of a small light tight detector assembly which is interfaced with the sample via male 1/4' pipe fittings with the readout and processor assembly via two BNC connectors. The sample is passed through a deionizer and filter and thence to the detector assembly, where it is viewed by a matched pair of photo multiplier tubes.

此系统由一个精巧不透光的探头组件组成，通过带读数字的 1/4'外丝管件和带 BNC 连接件的处理装置与样品相通。样品通过一个去离子器和滤器再到探头装置，再由一对匹配的光电倍增管观测

The table top or rack mounted processor and display portion of this system conditions and analyzes the output from the photo multiplier tubes by pulse height and coincidence, thereby permitting the system to eliminate counting most background (noise) counts.

此系统的桌面或架装处理器和显示部分通过脉冲高度和脉冲符合制约并分析光电倍增管的输出。因此允许系统消除大多数本底（噪音）计数

SSS-33M81 includes unique statistical significance display.

SSS-33M81 包括独特的具有统计意义的显示

This function rates strength of the data: Significance **HIGH, LOW, or NOT SIGNIFICANT**

此功能定级数据强度：高，低或不显著

Thereby preventing most false positives or negatives.

因此阻止了大多数假阳性或假阴性

* SSS-33M8 users, see "Deionizer and Filter" specification (SSS-33M8/D and SSS-33M8/F).

SSS-33M8 用户，见“去离子器和滤器”说明书（SSS-33M8/D 和 SSS-33M8/F）。

LIQ-X-H3-LO – Low count mode LIQ-X-H3-LO 低计数模式	LIQ-X-H3-LI - High count mode LIQ-X-H3-LI 高计数模式
10,000 pCi/l (370 Bq/l) in 7 days 7 天 10,000 pCi/l (370 Bq/l)	0.2 mCi/l in 2 minutes 2 分钟 0.2 mCi/l
20,000 pCi/l (740 Bq/l) in 24 hours 24 小时 20,000 pCi/l (740 Bq/l)	1 mCi/l in 10 seconds 10 秒钟 1 mCi/l

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40,000 pCi/l (1480 Bq/l) in 12 hours 12 小时 40,000 pCi/l (1480 Bq/l)	5 mCi/l in 2 seconds 2 秒钟 5 mCi/l
Display update every 2 minute 每 2 分钟显示更新	Display update every 1 to 3 seconds 每 1-3 秒钟显示更新

•SPECIFICATIONS 规格

Display Update: Every 2 minutes. All Monitors

显示更新: 每 2 分钟。所有显示器

•Tritium Sensitivity: See chart

氚灵敏度: 见表

•Range: 0-100 μ Ci/liter - other ranges optional higher or lower.

量程: 0-100 μ Ci/l—可选其它更高或更低量程

•Flow Rate: Minimum -1 ml/min

流量: 最小-1 毫升/分钟

•Maximum -100 ml/min

最大--100 毫升/分钟

•Sample Temperature: Standard - < 80° F (liquid); (optional - to 115° F)

样品温度: 标准-< 80° F (液体) ; (选购到-115° F)

•Ambient Temperature: 周围温度

•Detector - < 80° F (Optional - to 115° F)

探头-< 80° F; (选购到-115° F)

•Readout-< 115° F

读数器-< 115° F

•Lead Shielding: 1" thick is standard 2" thick is optional

铅屏: 标准 1"厚, 可选购 2"厚

•Dimensions: 尺寸

•Detector - 4" dia x 19" Long

探头-直径 4" x 19"长

•Readout -10"H x 16"L x 19"W

读数器-10"高 x 16"长 x 19"宽

•Weight (Standard Unit):

重量 (标准件)

•Detector Housing - 20 lbs.

探头外罩-20 磅

•Readout Housing - 40 lbs.

读数器外罩-40 磅

•Shipping - 90 lbs.

装船-90 磅

•Optional shielding - 65 lbs.

选购屏蔽-65 磅

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•**Display:** 5" color monitor
显示: 5"彩显

•**OPTIONS 选购**

- Data logging hardware; records up to 5 yrs readings
数据录入硬件; 记录到 5 年读数
- Remote readout via Ethernet
通过以太网远程读数
- Network reporting and communication via the ORO overdrive network
通过 ORO 超速网络进行网络报告和通信



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