

RAD SAFETY MONITOR FOR DRINKING WATER RESERVOIRS
MODEL # MEDA-5T
#MEDA-MCA

FEATURES:

MAJOR EVENT DETECTOR AND ALARM:

The MEDA-5T System provides automatic quick alarm in the event that a terrorist dumps radioactive material into a water source or in case of a large industrial, medical, or other type of release or accident.



SYSTEM COMPONENTS:

- **FS-5T:** Scaler Analyzer with battery back-up and High Level Alarm.
- **PGS-3L:** Scintillation detector with 2" dia. x 2" NaI(Tl) spectroscopic grade crystal.
- **PUMP:** 100% duty cycle pump.
 - A.** Available as submersible pump or
 - B.** Self-priming; non-submersible pump.
- **Hose and Coiled Hose:** brings the sample to the detector and returns sample to the source.
- **Optional** submersible detector: Model **PWS-18** is available.

FEATURES:

- FLOW THROUGH BETA, GAMMA DETECTOR
- PANCAKE GEIGER OPERATION INTERNAL
- **OPTIONAL:**
SUBMERSIBLE GAMMA DETECTOR

APPLICATION TO STREAM, RESERVOIR, SUMP DUE TO:

Roadside Chemical Spill
Industrial Accident
Terrorist Water Poisoning
Dumping of Medical/Industrial Waste

TA TECHNICAL ASSOCIATES

7051 ETON AVENUE, CANOGA PARK, CA 91303
TELEPHONE: (818)-883-7043 * FAX: (818) 883-6103
e-mail: tggold@nwc.net * www.tech-associates.com

RAD SAFETY MONITOR FOR DRINKING WATER RESERVOIRS

MODEL # MEDA-5T

#MEDA-MCA

•SITE LOCATION:

- Use MEDA-5T **ANYWHERE** THERE IS OPEN WATER.

•**GENERAL DESCRIPTION:** The MEDA-5T RATEMETER features a flow through scintillation detector and thin wall tubing for detection of low energy gammas. This is a portable system.

•MEASUREMENT CAPABILITIES:

- Gamma emitters
- (submersible sensor probes for reservoir, stream or sump- *Optional*).
- Beta and gamma emitters in water being sampled.
- Quick determination of water contamination

•SPECIFICATIONS:

- **Digital Meter:** Rugged, 6 digital LED display.
- **Analog Ranges:** 4 linear for each detector:
 - 0-500; 5,000; 50,000; 500,000 cpm for external
 - Other scales and overlays available.
- **Time Constant Switch:** Fast, Slow (approx. 2 & 11 sec.)
- **Detectors:**
 - High sensitivity gamma scintillation probe
 - 2"x2"Nal (TI) crystal standard.
- **Power:** AC battery-built in charger.
 - Battery life - 100 hrs with normal operation.
- **Dimensions:**
 - Electronics: 12" x 12" x 12"
 - Pump: 10" x 10" x 14"
 - Detector Assembly: 8" x 8" x 14"
- **Total Weight:** 20 lbs. (includes pump, probe, and electronics)
- **Shipping Weight:** 25 lbs.
- **OPTIONS:**
 - Submersible gamma probe model PGS-3SUB. 84lbs.

TA TECHNICAL ASSOCIATES

7051 ETON AVENUE, CANOGA PARK, CA 91303
TELEPHONE: (818) 883-7043 * FAX: (818) 883-6103
e-mail: tagold@nwc.net * www.tech-associates.com

RAD SAFETY MONITOR FOR DRINKING WATER RESERVOIRS
MODEL # MEDA-5T
#MEDA-MCA

DESCRIPTION OF USE:

1. Arrive at location of accident or attack

Throw inlet hose into reservoir, stream or sump.

Turn on pump and FS-5T counter.

Increasing count rate indicates contamination by gamma emitters.

If count rate exceeds 2 times background, water is not safe.

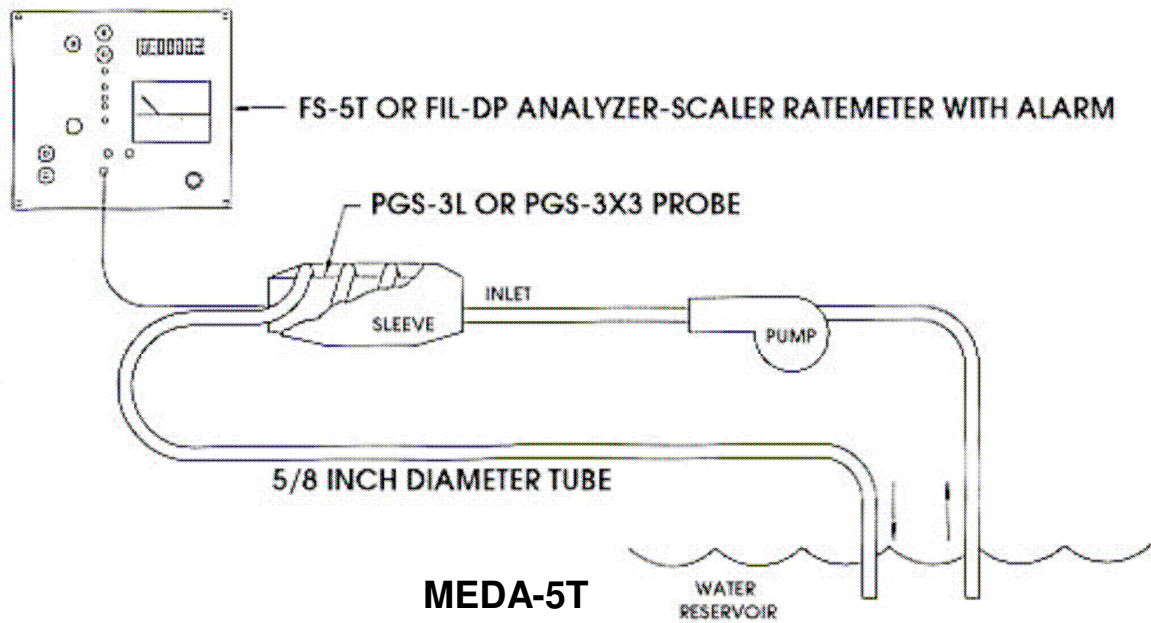
2. Gamma probe can be removed and be used to search a car or check-out suspicious objects or search for a cache of radioactive materials

	Flow Spiral Detector	Optional Submersible Detector
Sensor Size	2" dia x 2" thick	1" dia x 1" thick
Model	PGS-3L	PGS-3SUB scintillator
Window	1/8" thick poly	0.06" anodized aluminum
Optional		PWS-18 Larger plastic scintillator
Use/Method	Place inlet hose into reservoir, stream, or sump	Submerge detector in reservoir, stream, or sump
Mounting of Detector	Easy carry handle <i>Optional: wheels</i>	Clips onto side of instrument
Radiation Detected	Gamma, High energy Beta	Gamma

TA TECHNICAL ASSOCIATES

7051 ETON AVENUE, CANOGA PARK, CA 91303
 TELEPHONE: (818) 883-7043 FAX: (818) 883-6103
 e-mail: tagold@nwc.net www.tech-associates.com

RAD SAFETY MONITOR FOR DRINKING WATER RESERVOIRS
MODEL # MEDA-5T
#MEDA-MCA



MAJOR EVENT DETECTOR AND ALARM

