# **Uranium In Water Monitor** Model Series: Uranium-TA Uranium-TA, and Uranium-MCA

### Three Step Process

- 1. The pump and Uranium collection cell are taken to the area to be tested.
- 2. Water is pulled through the cell for a standard period of time.
- 3. The scintillator/scaler, receives the sample and counts the activity.

Note: A longer pull time increases sensitivity and gives a sensitivity measurement down to 1 picoCi/liter.

### **Specifications**

Scintillator/Counter:	Model PRS-7 single channel analyzer electronics package is coupled and works in
	conjunction with sample counter; Model STAM-2R.
Sensitivity:	3 picoCi/Liter; 80 to 85% of 2 pi for 5 MeV Alphas is typical. Gammas are rejected.
	Background radiation is typically less than one count per minute.
FCR-3 Flow Cell Refills:	A. Treated Beads; B. Treated ion exchange Disks

## Electronics

### PRS-7 – Bench Top or Portable

- Power:	AC or Rechargeable Battery
- Display:	Three Single Channel Analyzer Windows, Switch Selectable, Six Decades
- Housing:	Splash Proof
Dimensions:	10" W x 4.1" D x 7" H (25 cm L x 10.5 cm W x 18 cm H). Includes handle.
Weight:	5 lbs (2.5 kg) including batteries.
Options:	

- Alarm Relay
- RS-232, USB, etc. or complete data logging and acquisition systems.

#### MCA-TA - Bench Top

- Electronics: High Quality Windows PC including:
- TAcquire<sup>™</sup> custom software plus Excel Spread Sheet - Operating Software: - Radionuclide Library: Radionuclide Library Tailored to Customer Request - Data: Data Archive and Retrieval - CPU with Data Acquisition: High Resolution COLOR display, Audio - Data Ports: USB and Ethernet - USB-Flash Drive: For data storage – 10 years storage - Terabyte Hard Drive: Stores programs and 20 Year's of Detailed Data plus alarm record. - Power: 110 VAC - 60 Hz, 220 VAC optional 50/60 Hz Internal Battery Backup, Fail Safe 21" W x 16" D x 11" H (53.3 cm L x 40.6 cm W x 27.9 cm H)

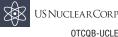
20 lbs (2.5 kg) including batteries

**Dimensions:** Weight:



### **TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY**

DIVISIONS OF



7051 eton avenue, canoga park, california 91303 PHONE: 818-883-7043 | FAX: 818-883-6103

SALES@USNUCLEARCORP.COM TECH-ASSOCIATES.COM | USNUCLEARCORP.COM