Highly Sensitive for Nuclear Power Plants
## Real-Time Continuous Water Monitor

Model: NPP-H$_2$O and NPP-H$_2$O-G, NPP-GAMMA, NPP-GAMMA-G, NPP-BETA, NPP-ALPHA

Peak Detection Isotope Identification System

TA SMART-PEAK™ Software detects radiation peaks even at very low Gamma concentration. In the event of high activity and during system calibration the isotope identifier function takes over and displays the exact radioactive nuclides in the water.

GAMMA-MCA ISOTOPE INDENTIFIER
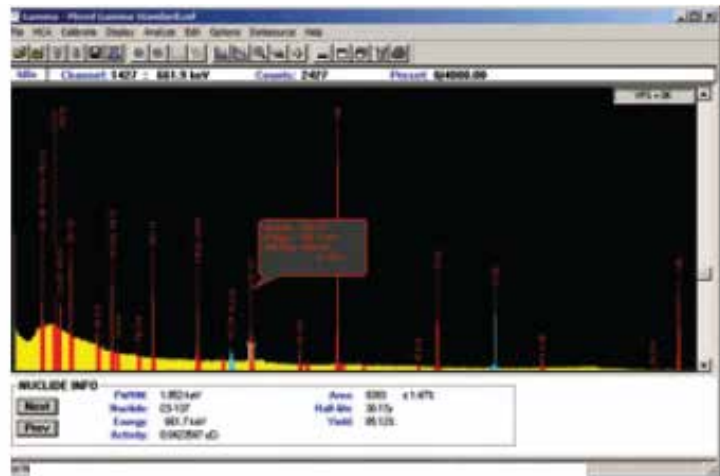
DATA: Analysis - Display - Hard - Copy - Archive

In each peak or area of interest, the net counts are automatically converted to user settable units, of picoCuries/liter or KBq/m^3 (using the detector efficiencies automatically measured and stored previously by semi-automatic self-calibration procedure).

The concentration and total activity released and MDA levels are continuously calculated and recorded. This real time information will alert the notification system. All data is saved to the hard drive in spreadsheet format.

Historical data is easily displayed on-screen and may be printed out with optional graphics printer in tabular or graphical format, showing quantitative information as well as trends. Data is recorded frequently providing excellent time-resolution.

Ethernet and USB ports (with security) provides easy access for archiving and further data analysis.

Continuous, Reliable Data – YES   False Alarms – NO

Our systems have multiple layers of protections and redundancy in both the software and the physical act of reporting an alarm which prevents false alarms. This can include an optional alarm voting system providing activation of alarms only if all the data is consistent and conclusive. Data is continuously recorded to allow user interpretation.

Each alarm activates fail-safe relays. Relay contacts are available to user.

Optional Triggered Aliquot: This feature automatically collects and stores a small water sample for independent analysis whenever an alarm or event of interest occurs.