



Innovator In Spectroscopy Equipment

UWGRS2116



UNDERWATER IN SITU GAMMA RAY SPECTROMETER MODEL UWGRS2116



CATALOG



SPECTROMETER

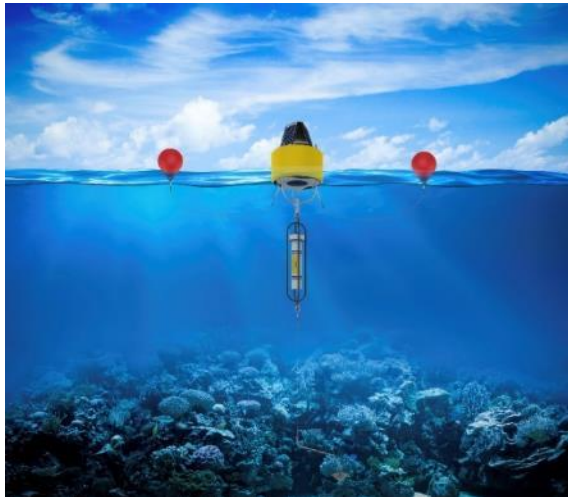


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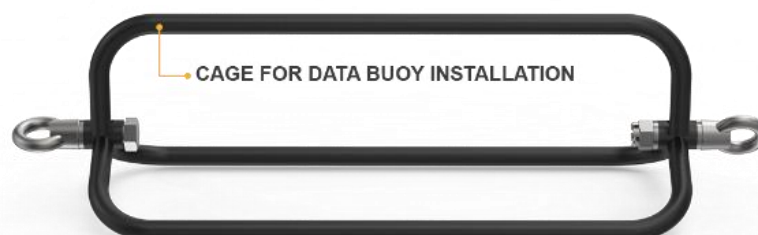
Application

- Monitoring the radioactivity of sea water for safety and security in radiation protection.
- Online response of radioactivity for controlling the situation in any nuclear accident
- Laboratory assays.
- Natural radiation measurement due to have the history of radioactivity for comparing and determining the nuclear emergency or disaster.
- Looking for gamma radiation sources.
- Monitor the radiation of sea water and underwater deposit.
- Comprehensive solutions for monitoring water online in sweetening factories.
- Monitor the position of radiation in seaports, near nuclear power plants & etc.



Features

- High efficiency.
- Easy and quick set up.
- Online spectrum analysis.
- In -situ isotope identification.
- Isotope-based alarm management.
- Extreme sensitivity to gamma-rays.
- Unique Full Spectra Analysis method.
- High spectral resolution 4096 channel.
- Detector verification supported automatically.
- 6-7% FWHM (typical) at 662keV (STD version).
- Fast automatic detection of very low artificial radiation under water.
- Continuous acquisition of the gamma spectra between 0.1minute ~1day intervals.
- NaI(Tl) detector, 2" x 2" (STD version) or 63mm x 63mm, 3" x 3" crystal size (OPT).
- USB interfaces (STD) ready for field operation.
- Absolute unattended operation.
- Various communication ports to PC.
- RS232, RS485, LAN interfaces (OPT).
- Full computer control of every function.
- Web server for direct data access (OPT).
- Rugged design (IP 69, max. depth 500 m).
- Fully operational in water up to a depth of 500 meters.
- Easy to maintain - neither consumables nor wear parts.
- Supplied in wooden case with foam inserted for shipping & storage.
- Continuous operation under severe environmental conditions.
- Special rugged design to withstand typical field usage, waterproof against streaming water and fully dust protected.





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