Innovator In Spectroscopy Equipment

SPECT2113

ANALYSIS

DIGITAL PORTABLE SPECTROMETER MODEL SPECT2113 (ANALYSIS)

CE

CATALOG

SPECTROMETER

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Application

- **Public:**
  - Monitoring and controlling the background dose and activity and identification of radioactive materials.
  - Radiation monitoring mapping
- **Industry**:
  - Metal recycling
  - Well-logging
  - Oil and gas industry
  - Geological surveys
  - Geological and raw material survey
  - Nuclear waste management and disposal
  - For identification of gamma sources in every industry that uses radioactive material and sources.
- **Medical**:
  - Radiation protection of patient and doctors in using radiopharmaceutical and radiation therapy.
  - Nuclear medicine laboratories.
  - Health physics (contamination monitoring on Surfaces, clothing and objects etc.).
- **National Security**:
  - Equipping the personnels and guards in the border.
  - Equipping the security guards in the strategic centers.
  - Radiation protection measurement in nuclear disasters.
  - Secondary check for Radiation Portal Monitoring in borders to identify the source of radioactivity.
- **Defense**:
  - Equipping the soldiers and guards in the border or any areas with danger of radiation.

Features

- Built-in analysis software.
- Large full color 4.3-inch display.
- Extreme sensitivity to gamma-rays.
- Fast and accurate analysis procedure.
- Radioisotope library with 28 elements.
- KML output for GIS software (Optional).
- Geometry settings for increased accuracy.
- Audio output with the adjustable threshold.
- NaI(Tl) scintillator with high detection efficiency.
- Accurate analysis based on customized decision tree.
- Element category detection (NORM, Industrial, SNM and Medical).
- No radioactive sources required for proper operation.
- Integrated GPS module for absolute timing and localization of data.
- Continuous operation under severe environmental conditions.
- Automatic logging of scan data with GPS-referencing for further analysis.
- Auto-stabilizing in different environmental conditions.
- Recording and storing measurement and analysis results.
- Capability of connecting to PC over USB for data transfer.

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Control Farayand Pasargad, No1, 33 salon, 48rd St, Ehsani rad St,
Engelab St, Ahmadabad Mostoufi Rd, Azadegan Highway, P.O Box
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UWGRS2116

Windows

UNDERWATER IN SITU GAMMA RAY SPECTROMETER MODEL UWGRS2116

CE

CATALOG

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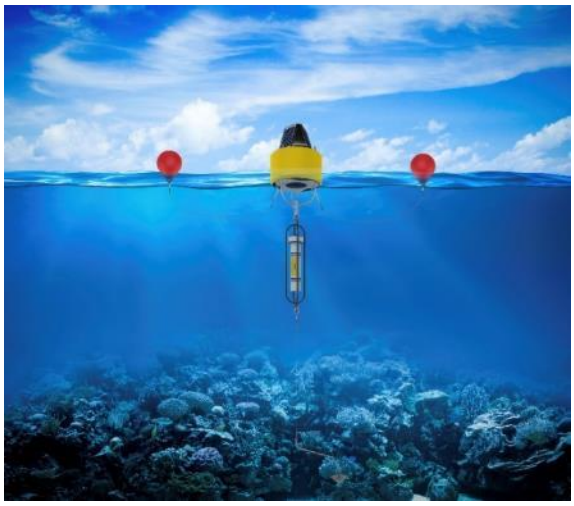
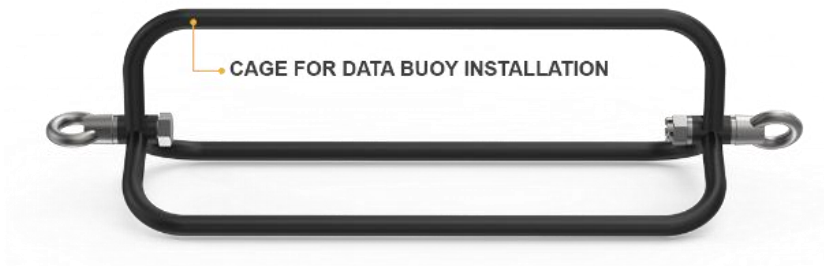
Application

- 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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VRPM2220

VEHICLE RADIATION PORTAL MONITORING MODEL VRPM2220

CATALOG

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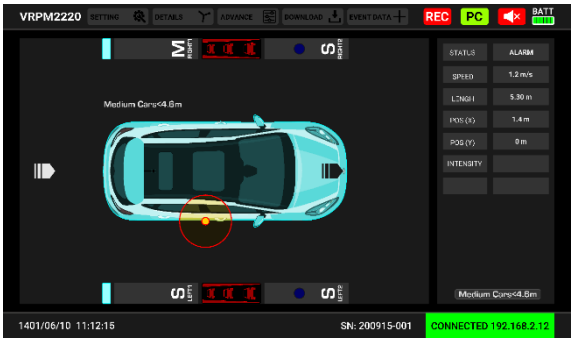
Application

- **Industry:**
  - Controlling the radioactivity in the entrance and exit of the factory
  - Metal recycling
  - Well-logging
  - Oil and gas industry
  - Every industry that uses radioactive material and sources.
- **Homeland Security:**
  - Monitoring and controlling the illicit material to every important or strategic center.
  - Radiation protection measurement in nuclear disasters.
  - Controlling the trafficking of Illicit radioactive material and radiation inspection at borders (Cars), airports, ports and railways.
- **Defense:**
  - Equipping the border or any areas with danger of radiation.

Features

- Different scan scenarios.
- Easy to assemble design.
- Traffic management indicator.
- Background updating procedure.
- Optional gate monitoring camera.
- Sensors to detect vehicle presence.
- Data storage for further exploration.
- Programmable detection parameters.
- Easily visible informative alarm indicator.
- Slow natural degradation of the light yield.
- Accurate alarms with low false alarm rate.
- Password security for device configuration.
- Individual and sum detectors measurements.
- Intelligent contamination detection algorithm.
- Stand-alone application based on internal battery (Optional).
- Large plastic scintillators with efficient detection accuracy.
- Highly efficient scintillators with long technical attenuation length.



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- **Homeland Security:**
  - Monitoring and controlling the illicit material to every important or strategic center.
  - Radiation protection measurement in nuclear disasters.
  - Controlling the trafficking of Illicit radioactive material and radiation inspection at borders (Vehicle and container), airports, ports and railways.
- **Defense:**
  - Equipping the border or any areas with danger of radiation.

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