CP-MU
Electronics

DMU -1 Probe

Gamma and Neutron High Range Underwater Portable Monitor

Model: CP-MU-GN

Features

- Use in Reactor Core and Spent Fuel Pool
- Fully Submersible, Rugged Probe
- Four Linear Ranges
- DMU -1- Up To 1,000,000 R/hr (Gamma)
- DMU-100 From 1 Mr/hr to 1,000 R/hr (Gamma)
- DMU-1000 From 100 Mr/hr to 1,000 R/hr (Gamma)
- CP-MU-7 Reads Up to 10^7 R/hr (Gamma)
- CP-MU-GN-DMU-GN Probe (Gamma and Neutron Detector)
- Engineering Units in Sieverts Available
- Waterproof Detector System
- Weighted Probes
- Stable and Dependable
- Fast Response
- Lightweight and Portable
- Battery Operated

Application

Underwater monitoring (and in hot cell monitoring) of Reactor Spent Fuel Elements, Reactor components and dose rate measurements of irradiated objects is available in this extremely high range capability instrument and the waterproof construction of the ion chamber detection system.

Useful in determining the fuel burn up rate as well as security in detecting stolen fuel rods.

Description

- Model Series CP-MU Underwater Monitor System consists of an electronic package (Model CP-MU) coupled to a **High Range DMU-1, Mid Range DMU-100** or **Low Range DMU-1000** Detectors.
- The system includes 60 feet (optional 100 feet) of special low noise cable with a waterproof coupling to a 8" long x 1/4" diameter aluminum tube containing an ion chamber (Model DMU-1) or
- The DMU-100 probe has a 100 cc ion chamber
- 8" long x 5-3/4" diameter aluminum ion chamber (Model DMU-1000).
- Model CP-MU-GN has dual in line detectors, Gamma and Neutron.

CP-MU-D1 (GAMMA)

CP-MU-D100 (GAMMA)

CP-MU-D1000 (GAMMA)

CP-MU-7-D1 (GAMMA)

CP-MU-GN (GAMMA and NEUTRON)

CBRN
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