

UNDER WATER ION CHAMBER PROBES

Model ~ DMU-1

Model ~ DMU-1000

DESCRIPTION:

The **DMU-1** and **DMU-1000**, Underwater Ion Chamber Probes, are for use with Technical Associates **CP-MU**, **CP-MU-1000**, and **CP-MU-7** meters.

Detector Systems come with 60 feet of special low noise cable with a waterproof coupling to a:

- 8" long 1/2" diameter aluminum tube containing an ion chamber (**Model DMU-1**)
- 7 1/2" long by 5 3/4" diameter aluminum chamber (**Model DMU-1000**).
- OPTIONAL: Handle consisting of 8-foot sections of free draining 5/8" stainless steel tubing.
 - Up to 16 feet may be used with **DMU-1** in any position.
 - 24 feet or over may be used vertically downward with **DMU-1** or **DMU-1000** chamber.

APPLICATION:

ion chamber detection system with extremely high range capability and waterproof construction can now be made easily and at the ranges called for at moderate cost.

PROVIDES:

Underwater monitoring (and hot cell monitoring) of:

- Reactor Spent Fuel Elements
- Reactor Components
- Dose-rate measurements of irradiated objects

ION CHAMBER PROBES:

DMU-1:

High Range Underwater Ion Chamber Probe

Dimensions: 1" long x 1/4" diameter aluminum.

Used With:	CP-MU / CP-MU-1000	CP-MU-7 Range:
	•0 to 1 KR/hr	0 to 10 ⁴ R/hr
	•0 to 10 KR/hr	0 to 10 ⁵ R/hr
	•0 to 10 ⁵ R/hr	0 to 10 ⁶ R/hr
	•0 to 10 ⁶ R/hr	0 to 10 ⁷ R/hr

DMU-1



DMU-1000:

Mid Range Underwater Ion Chamber Probe

Dimensions: 7 1/2" tall x 5 3/4" diameter anodized aluminum.

Used With:	CP-MU / CP-MU-1000	CP-MU-7 Range
	•0 to 1 R/hr	0 to 10 R/hr
	•0 to 10 R/hr	0 to 100 R/hr
	•0 to 100 R/hr	0 to 1 KR/hr
	•0 to 1 KR/hr	0 to 10 KR/hr

DMU-1000



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