



The GMS595

Wide-Range Gamma Dose Rate Monitor

with pulsed field compatibility





The GMS595

Developed in partnership with AWE the GMS595 wide-range gamma dose rate monitor combines the measurement range of a suite of gas-filled detectors into a single hand-held instrument.

Capable of accurately measuring dose-rates from nSv/hr to Sv/hr, the GMS595 is simple to operate, quick to set up, environmentally stable and now the new standard gamma dose-rate instrument across site at AWE.

Features

- Energy Response 30keV to 7MeV ± 30%
- Dose 100nSV to 1.75Sv
- H*10 ambient dose equivalence
- Pulsed field measurement
- Betatron compatibility
- Beta radiation option*
- Warm up time, no more than 10secs
- Temperature compensated
- Plastic Scintillation Detector
- Linearity of ± 10%
- 2 Modes of display: dose rate & total dose
- Temperature Compensated
- Operating temperature 0°C to +40°C
- Calibration procedure in accordance with GPG No14



Applications

- Radiation Monitoring
- Decommissioning
- Shielding Validation
- Betatron Measurements
- Radiation Clean-up
- Health Physics
- Nuclear Medicine
- Non Destructive Testing
- Waste Assay / Clearance
- Research

Specification

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Energy Response	30keV to 7MeV ±30%
Dose-Rate Measurement Range	100nSvh ⁻¹ to 999mSvh ⁻¹
Dose Measurement Range	100nSv to better than 1.75Sv
Dose equivalence	H*10 ambient dose equivalence
Linearity	± 10%
Detector	Tissue equivalent plastic scintillator
Response Time	2 seconds
Temperature Range	0°C to +40°C
Display	64x128 pixel LCD display. Single range in units of μSvh ⁻¹
Power Requirements	2 x Duracell Industrial LR14 'C' type alkaline cells
Battery Life	Over 50 hours
Weight	1.58 kg
Dimensions	L: 330mm x W: 90mm X H:145mm
Testing and Certification	EMC & Full Type Test supplied on request
Case	
Inc. GMS595 & Batteries	4.6 kg
Dimensions	L: 410mm W: 350mm D: 200mm



JCS

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