

Dose²

High-Performance Dual-Channel Reference Class Electrometer

for reference dose and dose rate measurements in Radiation Therapy

The DOSE² is a high-end, reference grade 2-channel electrometer with added chamber library, voltage requirements, read-out capability (dose & dose rate) and triggered (threshold) detection.

Control of the DOSE² is handled by a large, color LCD touchscreen for fast and easy operation, as well as convenient display of many measurement parameters simultaneously.

Highlights:

- High-Performance Dual-Channel
- Reference class dose meter according to IEC60731 with built-in electrical check source.
- Two independent measurement channels
- Independent control of applied system factor, range and bias voltage +/- 1000V
- Wide measurement range for advanced applications
- Threshold triggered measurement mode
- 6.4" color TFT, touchscreen display
- Simple data export via USB

Connector type: TNC triaxial threaded

Power: 100-240 VAC, 0.5 A max,
50/60 Hz input to external power supply, 9 VDC, 1.7 A power supply output to electrometer input, UL/TUL listed power supply



Technical specification:

Performance Characteristics	IEC 60731 Limits	DOSE ²
Resolution		1 fC
Repeatability	+/- 0.25%	+/- 0.1%
Long-term stability	+/- 0.5% Over 1 year	+/- 0.5% (over 1 year)
Zero Drift	+/- 0.5%	+/- 0.25%
Zero Shift	+/- 0.5%	+/- 0.25%
Non-Linearity	+/- 0.5 %	+/- 0.25%
Response Time	< 3 sec	< 2 sec on high range < 12 sec on low range
Stabilization Time	+/- 0.5% Min Rated Range = 15 min to 6 hr	+/- 0.1%
Range Changing	+/- 0.5%	+/- 0.25%
Dose Rate Dependence	+/- 0.5%	< 0.5%

Ordering Information

DA28-000	DOSE 2 Dual Channel Reference Class Therapy Dose Meter
M1902701	Carrying case for DOSE 2 and accessories