

CHECKMATE™ 2

Simple and Reliable Daily QA

A therapy beam constancy meter intended for simple radiation output checks.



The CHECKMATE 2 Advantage

- Simple to use
- Cost effective solution
- Automatic temperature and pressure correction
- Accurate measurement of:
 - CAX output
 - Repeatability
 - Monitor chamber linearity
- Built-in rechargeable batteries:
 - Safely keep cables off the treatment floor
- Hardware
- Single vented ionization chamber at a depth of 1.0 g/cm²
- Precision alignment template with light field markings at 10 x 10 cm and 20 x 20 cm
- Large, easy to read display:
 - Easily viewed at the control station bunker monitor
- User calibration:
 - Stores up to 15 calibration values
 - Automatic memory position advance

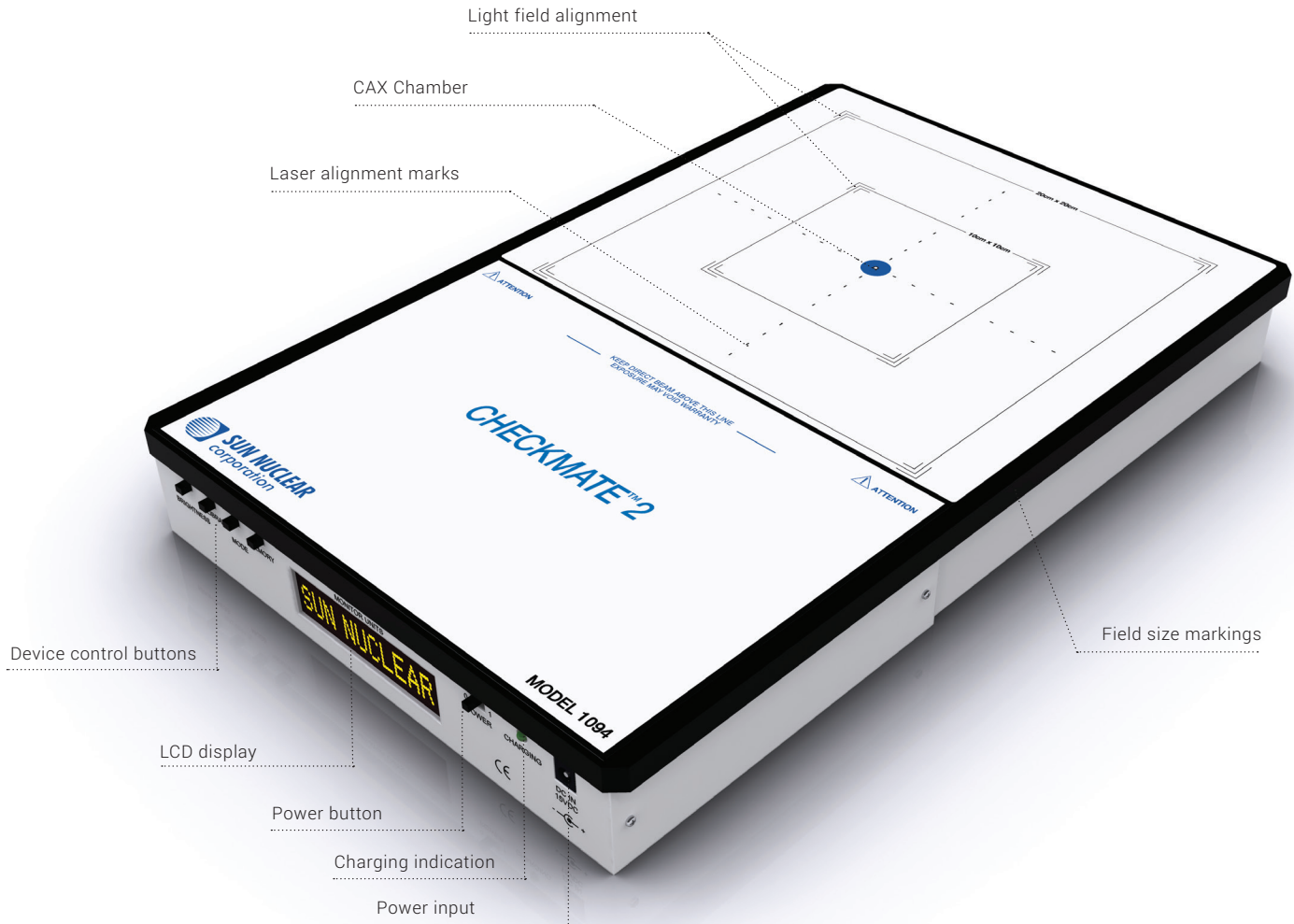
Process

1. Turn on the power switch.
2. Place CHECKMATE 2 on the treatment couch and align the crosshairs and the light field to the instrument template.
3. Expose CHECKMATE 2 to the beam.
4. Read the measured dose on the numeric display on the end of the instrument.



The numeric dose value displayed indicates the percentage of the stored calibration value. The displayed value can be viewed on the bunker monitor or directly by entering the vault.

Features



Specifications

Detector Type:	Vented Ion Chamber	Long-Term Reproducibility:	0.5%/year
Detector Quantity:	1 - CAX	Temperature / Pressure Correction:	Automatic
Detector Volume:	0.6 cm ³	Calibration Factor Memory Positions:	15
Field Size:	20 x 20 cm	Display Units:	Percent of calibration value; set by user
Inherent Buildup:	1.0 ± 0.1 g/cm ²	Display Range:	0.1% to 999.9%
Inherent Backscatter:	PMMA 2.3 cm	Dimensions / Weight:	25.5 x 40.0 x 5.5 cm/4.9 kg
Radiation Measured:	Electrons, 5 MeV to 25 MeV Photons, Co-60 to 25 MV	Battery Operation:	8 hours minimum
Beam Limits:	Max. dose per pulse: 3.65 cGy Max. avg. dose rate: 3410 cGy/min	Number Of Connection Cables:	Power charger for internal batteries
Short-Term Reproducibility:	0.5%		

