

Long term reputation in the medical industry.

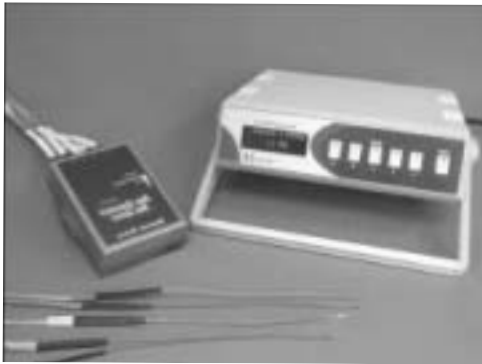
Assurance we will offer competitive pricing.

Customer service #1 priority.

One Stop.

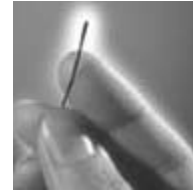
LACO Inc.

can do it all!



Applications

- In-vivo
- Brachytherapy
- IMRT
- Radiosurgery
- TBI
- IORT
- Diagnostic X-ray



The **MOSFET 20 Patient Dose Verification System (TN-RD-51)** is a high-performance, cost-effective dosimetry system. It combines pinpoint accuracy with the convenience of instant readout. One system can serve up to 4 LINACs. Alternatively, you can place up to 20 dosimeters on one patient at a time. The standard system includes a self-contained reader, an external bias supply with five dosimeter ports, a power adapter, five MOSFET dosimeters, and the **TABULATM Dose Reporter Software**.

The MOSFET Dosimeter

- One dosimeter/ calibration factor for all photon & electron modalities
- *Isotropic* (±2% for 360o)
- Active region of 0.2 x 0.2 mm
- Standard MOSFET is 2mm wide
- microMOSFET is 1mm wide
- Permits pinpoint measurement without patient shielding
- Dose-rate and temperature independent
- Unobtrusive in procedures
- Lightweight and flexible
- Multiple dosimeter capability with one Reader

TABULA™ Dose Reporter Software

PLAN, EXECUTE, and RECORD patient dose measurement in one operation.

- Designate, from a library of diagrams, sites for placement of dosimeters
- Import your own diagrams or photos in various formats (e.g. jpeg files)
- Define up to 20 MOSFET sites, for one to four patients
- Print diagram(s) for reference during procedure
- Send dose data directly to your PC via an RS 232 link
- Obtain a full report on actual dose vs. deviation from target (example below)

Reader:

- Vacuum fluorescent display
- Direct readout in user-selected units (cGy, mV, R)
- Resolution of one unit up to a total accumulated dose of 20,000 mV
- Battery backup retains calibration factors and time/date settings after power down
- Stores up to 20 operator entered calibration factors
- Readings automatically scaled
- Internal clock stores time and date with battery backup

System Dose-to-Dose Reproducibility at 16

Dose	BIAS SUPPLY	
	Standard	High
200 cGy	<2%	<0.8%
100 cGy	<3%	<1.2%
20 cGy	<8%	<3%

Sensitivity

Under Full Build-up

- 1 mV/cGy on standard bias
- 2.7 mV/cGy on high sensitivity bias
- *Higher sensitivities available*

Under X-ray Energies

- 9 mV/R on high sensitivity bias