

The OneDose<sup>TM</sup> surface dosimeter is a disposable MOSFET-based dosimeter designed for radiation therapy applications. Each device is comprised of a self-adhesive patch that is pre-calibrated to reference conditions. The dosimeter is inherently temperature-compensated and is accurate to 3.5% or less for doses in the 50-200 cGy range. The device is polled by a hand-held reader, which then writes the dose and a time stamp back to memory on the patch. A USB port allows for data transfer from the reader to a computer, thus enabling data sharing with patient record systems. This dosimeter is particularly useful when considering routine checks of dose during the first day of therapy or after a field change. It presents a practical alternative to TLD and diode devices as part of a regular patient QA program. Representative use scenarios will be discussed.