

N195. Improved TLD Badges

A luminescent dosimeter series of badges incorporates the accuracy of individually calibrated thermoluminescent dosimeter (TLD) badges. Based on the Harshaw model 8800 TLD card reader, the individual cards used in the system employ bar coding and permanently captive TLD elements. The system also uses a highly linear time-temperature profile controlling a hot gas stream to read each element, allowing the generation of precise glow curves.

The badges can meet many demands. One of the badges passes all NVLAP beta, gamma, and x-ray categories. A second passes 18 DOELAP categories including fast neutron. For the most demanding neutron measurements, a third badge in this series provides greater accuracy at low energies and passes DOELAP performance standards in 18 major categories.

For more information, contact Siemens Gammasonics, Inc., Dosimetry Service, 2501 Barrington Road, Hoffman Estates, IL 60195, Phone 800/666-4552.