

N91. Science Applications International's New Small Dosimeter

Science Applications International Corporation has developed an energy-compensated Geiger tube in a package the size of a small pocket pager. In fact, the whole dosimeter measures just 48 mm x 72 mm x 17 mm. The rugged, lightweight unit is sensitive enough to record radiation ranging from low background levels caused by the earth's surface, the sun, or cosmic radiation, to beyond lethal dose levels.

The PD-1 provides dose measurement, dose rate measurement, and "chirp" functions. A chirper sounds each time a specified dose is accumulated, and the chirp increments are defined by the user. A dosimeter reader provides a simple interface for bi-directional communication with a host PC.

Taken From: "Small is Beautiful: SAIC's New Dosimeter," Robert Gunn Benson, Nuclear Engineering International, May 1991, p. 18. (Science Applications Int. Corp., 4161 Campus Point Court, San Diego, CA 92121)