

N272. Neutron Detectors

BTI Bubble Technology Industries developed two new neutron detectors devices. They are neutron detectors BD 100R O/F and BD 100R PND. They provide reusable, passive integrating dosimeter that allows instant, visible detection of neutron radiation. These detectors can be reset using a integral recompression device and can be reused for up to three months when reset daily.

They can be used under water with no effect on performance. They offer dose range two orders of magnitude more sensitive than any other commercial neutron dosimeter (<1 uSv) and has a flat energy response from about 200 keV to 14 MeV.

The BD 100R PND is now temperature compensated. The operation of the device is identical to the BD 100R O/F which has already gained acceptance in many areas of applications.

For further information, contact Dosimetry Service, 800/666-4552, 2501 Barrington Road, Hoffman Estates, IL 60195-7372.

[EDITORS' Note: Certain devices that appear to be particularly useful are sometimes mentioned for readers' information in ALARA Notes. However, this does not imply an endorsement of these products.]