

Saber Neutron Detector

Product Features

- **High Neutron Sensitivity**
- **80%+ of 3He Efficiency**
- **Superior Gamma Discrimination: 10^{-8}**
- **Accurate Neutron Count**
- **No 3He Required**
- **Low Price**
- **2" Diameter Tube**
- **100 cm and 184 cm Lengths**
- **Customization Available**

Precision. Quality. Innovation.

PartTec is the market and thought leader in neutron detection technology specializing in the manufacture of non-helium-3 neutron detectors to meet global security, research and medical needs.

The Saber line of neutron detectors were developed and designed as an alternative to helium-3 (^3He) detector tubes. Unlike Boron 10, BF₃, and Straw tubes, the Saber detectors maximize neutron efficiency, maximize gamma discrimination, and provide accurate neutron counts without advanced electronics.

Utilizing PartTec's patented technologies for neutron detection, the Saber Neutron Detector meets the ANSI N42.35-2006 Evaluation of Portal Monitors for DHS (U.S. Department of Homeland Security). The purpose of this standard is to establish the testing and evaluation criteria for radiation portal (gate) monitors for the DHS .

The Saber Neutron Detector line is a "plug-in" replacement/ alternative for existing and future ^3He detector tubes. The Saber utilizes a simple electronic interface and software that is compatible with standard Windows operating systems and other digital signal monitoring software/firmware. The combination of simple set-up and low cost makes the Saber line the most compatible ^3He tube alternative in the industry.

