

Specifications:

1. High purity germanium "N-Type" detector with preamplifier and high voltage supply with a vertical style dipstick cryostat

"N-Type" neutron damage resistant detector with energy range of 3 keV up to 10 MeV

Carbon fiber window in a carbon fiber end cap capsule with a diameter of 83 millimeters

Crystal size of 70 millimeters in diameter and 80 millimeters in length compatible for counting 500 mL Marinelli beakers.

Relative Photopeak Efficiency of 45 to 60% and Peak to Compton ratio of 56:1 to 60:1

Full Width Half Maximum Energy Resolution at 1.33 MeV of 2.1 to 2.3

2. 30 liter poptop dewar that accepts vertical dipstick style cryostats

3. Low background lead shield lined with copper and tin with supporting stand

Internal cavity with dimensions of 11 inch internal diameter by 16 inch deep cavity with adjustable and movable doors

4. Vertical cryostat, dipstick type