

Kolga Model A300-M Modular 10 cm High Performance Shield for Germanium Detectors



Description

The Kolga Model A300-M is a modular 10 cm (4 inch) high performance copper/tin lined lead shield for germanium detectors (HPGE). The A300-M shield is made from certified DOE Run virgin low background lead. The graded liner is designed for the suppression lead x-rays and consists of a tin layer of 1 mm (0.040 in.) covered by a oxygen free copper layer of 1.5 mm (0.06 in.). The shield can be easily assembled on-site by a single person with the largest component weighing just 28 kg (61.6 lbs.). The top door has a built in sliding lock to help facilitate safe operation. The shield includes a rigid stand with adjustable feet to maintain the unit level while allowing easy access to install or remove the detector. Shield exterior is stainless steel. The stand is coated with durable epoxy paint while all copper components are coated with a clear polyurethane sealer to prevent corrosion.

Specifications

- ◆ Overall: Height 48.14 cm (18.9 in.)
Width 37.1 cm (14.6 in.)
- ◆ Cavity: Diameter 15.4 cm (6 in.)
Depth 25.4 (10.0 in.)
- ◆ Outer Jacket - 6.35 mm (0.25 in.)
Stainless Steel
- ◆ Shield - 10 cm (4 inch) modular DO-ERUN Certified low background lead with no piece larger than 28 kg.
- ◆ Graded Lining - 1 mm (0.040 in.) tin and 1.5 mm (0.06 in.) oxygen free copper.
- ◆ Weight 486 Kg (1070 lbs.)
- ◆ Satin Finish Stainless Steel



