



## Shielding cylinder for gamma detector

09101.11

### Operating instructions



#### 1 PURPOSE AND CHARACTERISTICS

The shielding cylinder made of special lead with low own radiation receives the measuring head of the gamma detector in order to reduce the effects of background radiation (background noise) and of unwanted leakage radiation.

The gamma detector must be held vertically and introduced from above into the cylinder. The cylinder is provided with two silicone rubber rings used to protect the delicate measuring head of the detector when it is introduced into the cylinder.

The larger ring is first slipped up to the conical transition piece of the cylindrical detector casing, then the smaller ring is slipped over the front edge of the measuring head.

#### 2 TECHNICAL SPECIFICATIONS

Height of cylinder	170 mm
Exterior diameter	97 mm
Interior diameter	63 mm
Slit diaphragm	10 mm x 39 mm
Weight	approx. 11 kg

#### 3 LITERATURE REFERENCES

University Laboratory Course in Physics, 1 - 3 16502.01