



VF NUCLEAR



NUCLEAR POWER PLANTS



WASTE MANAGEMENT



CALIBRATION LABORATORIES



RESEARCH CENTRES



INDUSTRY & MANUFACTURING



NUCLEAR MEDICINE

MK-30P

MEASURING CHAMBER



MAIN ADVANTAGES

- Measurement of various samples
- Multi-purpose applications
- User-friendly graphical interface
- High sensitivity, uniform response
- Intuitive control via PC
- Easy decontamination

PURPOSE

The MK-30P measuring chamber is designed for measuring the activity of samples with high accuracy and precision. It has a lead shield thickness of 30 mm.

The measurement sample is placed in a measuring dish 50 mm in diameter. This is inserted into the sliding drawer, which locates the sample in the correct position beneath the alpha/beta detector within the shielded chamber. The measurement results are displayed on the associated PC.

SPECIFICATION

Detector type	proportional detector
MDA beta	1 Bq
MDA alpha	0,1 Bq
Measuring dish diameter	50 mm
Measuring dish height	5 mm
Dimension (closed drawer)	(205 × 296 × 168) mm
Dimensions (open drawer)	(310 × 296 × 168) mm
Weight	23 kg
Power supply	24 V, 0,5 A

METROLOGICAL PARAMETERS

Model	Radionuclide	Measuring range [Bq]	Efficiency [%]
K1039-01	⁹⁰ Sr + ⁹⁰ Y	1 to 3E+4	30
K1039-02	⁹⁰ Sr + ⁹⁰ Y	1 to 1E+7	14
K1039-03	⁹⁰ Sr + ⁹⁰ Y	1 to 1E+6	25



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Specification subject to change without prior written notice.

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