

MULTI-CHANNEL ANALYSER FOR γ -SPECTROSCOPY

SPECIALLY DESIGNED FOR ANALYSIS OF VERY LOW ACTIVITY IN FOOD, WATER AND WASTE SAMPLES

- EASY, INTUITIVE OPERATION
- LIVE SPECTRUM DISPLAY
- SELECTABLE NUCLIDE ROI'S
- AUTOMATIC ENERGY CALIBRATION

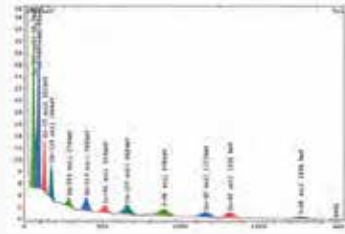


The γ -radiation measuring system Mucha Nova is designed for the spectroscopy analysis of environmental samples or for determination of very low activities in food, water, waste samples etc. (nuclide impurity, food, water and waste analysis).

The use of the multi-channel analyser is simple and intuitive; the user is guided through a dialogue on the screen. Display of the measurement is live. Automatic energy calibration is obtained by using a suitable ^{137}Cs calibration source. Selected energy regions are coloured. Background spectra can be accumulated and automatically subtracted. In order to offer a suitable spectrum display, a low, medium and high energy range can be selected.

Additional features are:

- Easy operation
- Live spectrum display
- Selectable nuclide ROI's
- Calibration to Bq
- Storage of measurements
- Management of files
- Quality control for PET
- Nuclide impurity in %



Marinelli 1 I, 2x2" NaI (TI), mixed calibration source

Options

- 1x1" NaI (TL)
- 2x2" NaI (TI)
- 3x3" NaI (TI)
- 3x3" Cr Br3

Technical specifications

Range	1024 channels
Conversion time	free running ADC
Signal input	positive
Offset	adjustable
Lower discriminator	adjustable
High voltage	0-1300 V
Preamplifier	automatic
Amplifier	automatic
Display	on PC
Power	90-260 VAC, 50-60 Hz
Temperature	5-40 °C



Physical specifications

Dimensions	W250xH160xD320 mm (W9,84"xH16,29"xD12,59") without detector
Weight	5 kg (11,02 lbs) without lead shielding

Detector 3" with 50 lead shielding diam. : W200xH500 mm, weight 75 kg