

MULTI-CHANNEL ANALYSER FOR γ -SPECTROSCOPY

Designed for the analysis of radiopharmaceuticals or low activity analysis in food, water and waste samples

- SIMPLE, INTUITIVE OPERATION
- RADIONUCLIDIC PURITY TEST
- LIVE SPECTRUM DISPLAY
- AUTOMATIC ENERGY CALIBRATION



The Mucha is a γ -radiation measurement system, designed for the radio spectroscopy analysis of radio pharmaceutical samples. It is also the perfect solution for the analysis of environmental samples or the determination of very low activities in food, water or waste samples.

The system is fully integrated into the GINA 10.x software. The software facilitates easy and intuitive use.

GINA includes a live spectrum display, advanced spectral analysis, manual and automatic data analysis, calibration, peak integration and radionuclidic purity determination (in %).

The software is designed for GMP use and compliance with the technical requirements of the 21 CFR part 11. It also includes a comprehensive audit trail and a data file protection.

For advanced GMP needs the system can be extended with a user-access module and an analysis certificate generator.

Different measurement modes and settings are available. Automatic energy calibration is achieved by using a suitable calibration source. Background spectra can be accumulated and subtracted automatically. In order to offer a suitable spectrum display, "low", "medium" and "high" energy ranges can be selected.

Features

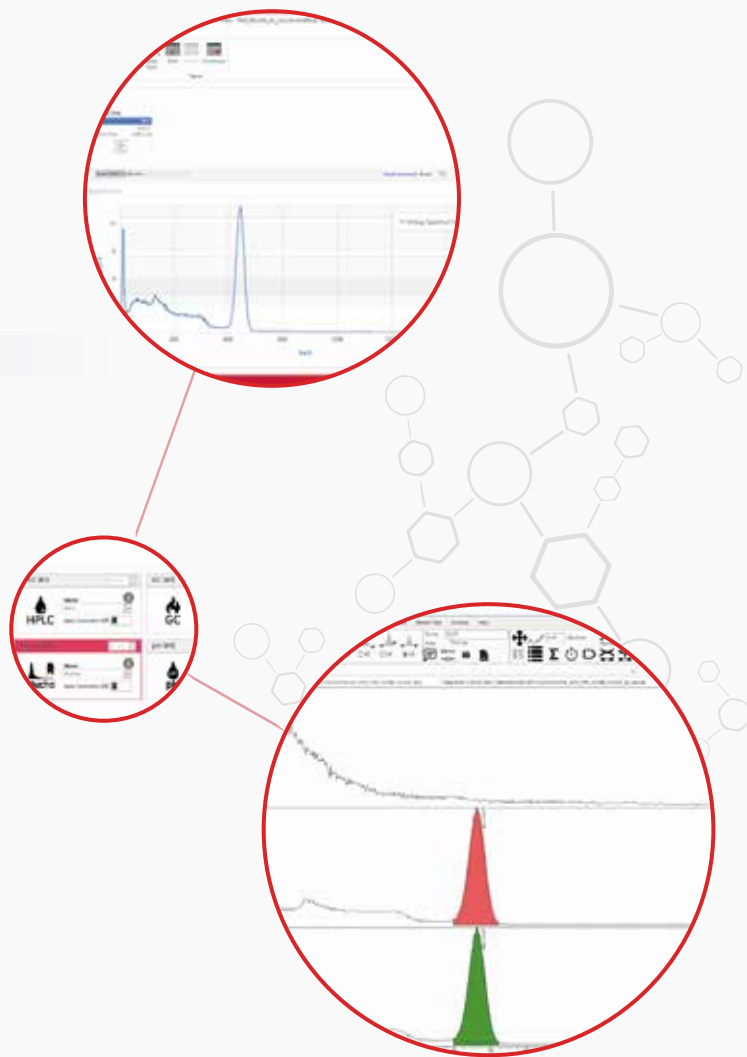
- Simple operation
- Live spectrum display
- Advanced spectrum analysis
- Calibration to Bq
- Measurement management
- Radionuclidic purity (in %)

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 (GINA 10.x) |
| Power | 90-260 VAC, 50-60 Hz |
| Temperature | 5-40 °C |

Physical specifications

| | |
|------------|---|
| Dimensions | W250 x H160 x D320 mm (W9,84" x H16,29" x D12,59") without detector |
| Weight | 5 kg without lead shielding, 75 kg including lead shielding for 3x3' detector |



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Production: