

POMO

RADIO FLOW MONITOR FOR HIGH POSITRONS ACTIVITIES

OPTIMISED FOR THE
MEASUREMENT OF PET ISOTOPES

- BUILT-IN RADIATION SHIELDING
- LOW BACKGROUND
- HIGH COUNT RATE
- HIGH SENSITIVITY
- GMP / GLP / 21CFR
PART 11 COMPLIANT

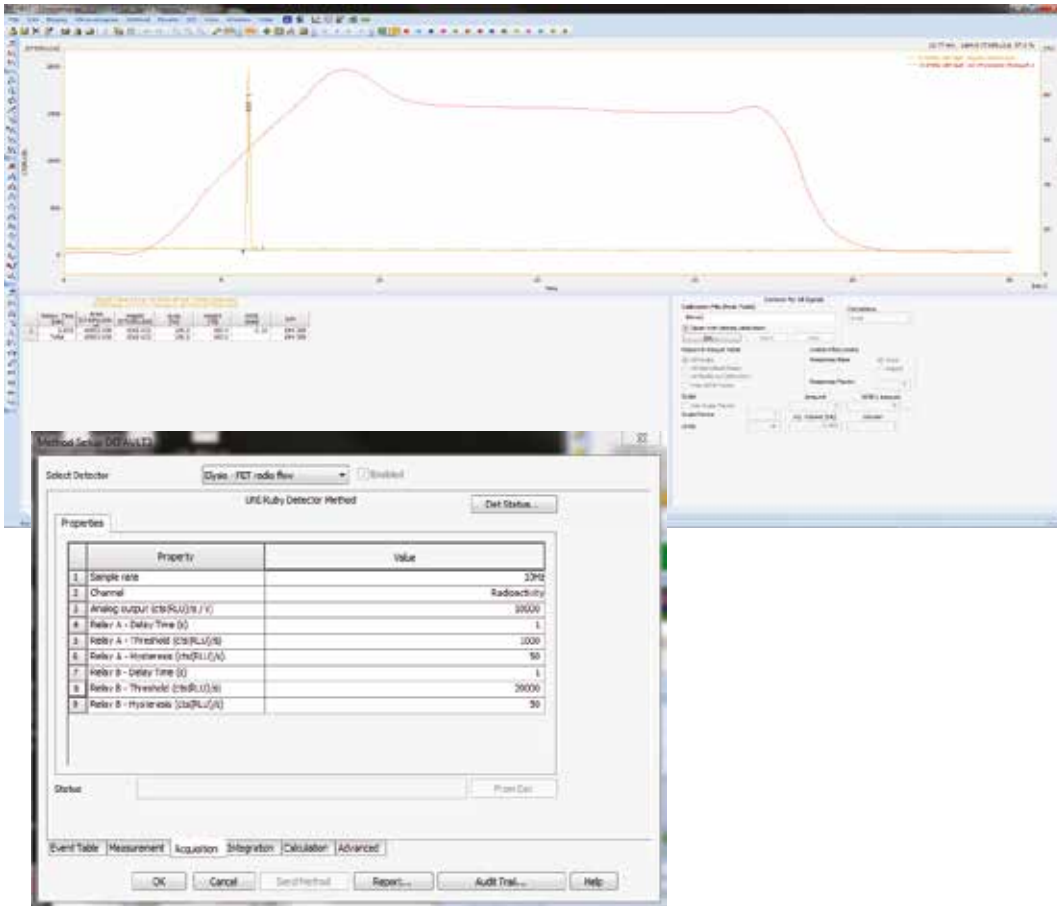


The Pomo is specially designed for radio flow monitoring of PET tracers. The detector represents the latest enhancements in flow detectors for radio HPLC.

Our high positron efficiency flow cells with low gamma response provide unique detection capabilities for PET isotope studies and ensures low background noise.

The Pomo uses a highly sensitive detector in combination with our high positron efficiency flow cells. This allows a low gamma response providing unique detection capabilities for PET isotope studies and ensures a low background noise. The electronic chip on the flow cell allows a full digital documentation of the experimental conditions and fulfils GMP needs.

The Pomo has an internal lead shielding for an optimal radio protection of the user and the housing is designed to install the detector under a standard HPLC just like a normal UV detector. This setup reduces the need of lab space, moreover the shorter distance from the pump to the detector increases the radiation safety and the signal quality. Different cell sizes can be used to adapt to flow rates and to achieve optimal signal intensities. The detector can be externally controlled by a dedicated software or by our own chromatography software (Gina Star). This combination allows a digital signal transfer and a complete integrated solution according to GMP/GLP standards.



Technical Specifications

Detection Device	low noise photon counting PMT
Detection Mode	luminescence gamma and PET isotopes
Digital Interface	Mini USB
Analog Output	TTL 0 to 1 V (10 Hz sampling rate)
Regulations CE	



Physical specifications

Dimensions	W400 x D260 x H128mm (15,74" x 10,23" x 5,03")
Weight	Max. 18 kg (39,7 lbs)

Flow Cells

Cell Types	Admixture cells (Z type) Solid scint. low background gamma/PET cells (MX type)
Cell Volumes	10 to 1000 µL