Beta-RAM™

radio-HPLC Flow Detector

LabLogic

EXPERIENCE **&** EXPERTISE
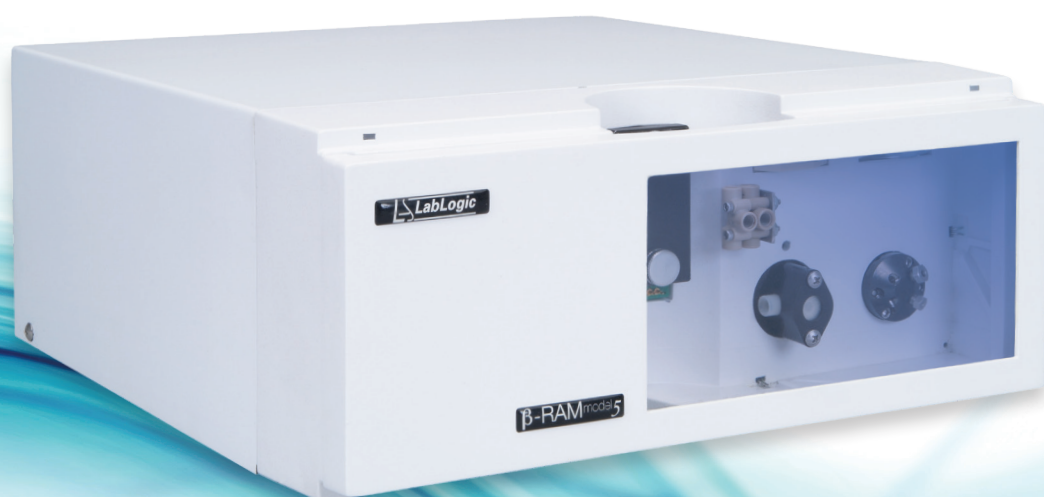
The world's leading radio flow detector offers unrivalled sensitivity, resolution and versatility.

With over 30 years of development and used by thousands of researchers worldwide, the Beta-RAM coupled with the industry standard Laura software, leads the way for radiochromatographers.

The results are low backgrounds and unmatched signal-to-noise ratios, enabling detection and quantification of low energy beta metabolites.

Sensitivity

The Beta-RAM offers superb sensitivity with the speed and efficiency of on-line counting. Special functions such as Active Counting Mode and Stop Flow offer the user unrivalled levels of sensitivity and limits of detection.

Versatility

The Beta-RAM range offers the versatility of either homogeneous counting by admixing with liquid scintillator via the accurate built in pump or heterogeneous counting with a range of pre-packed solid scintillator flow cells. This makes the Beta-RAM the versatile choice whether you are doing the most sensitive low level metabolism work or high activity preparative HPLC work.

Controlled by Laura

Instrument control, digital data collection, analysis and reporting all achieved using the industry standard radiochromatography data system Laura™.

Laura™ has been the recognised industry standard software for radiochromatography for over 25 years. The latest version of Laura features control of the world's leading HPLC and radio detector systems to provide a single point of control.

Laura™
Radiochromatography Data
Collection and Analysis Software

Cell design reduces dead volume

Resolution

Resolution is a key factor in assessing the suitability of your chromatographic method.

The Beta-RAM has been developed to complement the latest separation technologies such as UHPLC, Fast LC, Rapid Resolution LC.

Great care has been taken with choice of fittings and flow cell design to reduce dead volume and therefore maintain peak shape and integrity.

Ergonomic design

Stop Flow

Stop flow replaces the requirement for time consuming and expensive Liquid Scintillation Counting of low level samples.

By optimising the counting time in the detector flow cell, the combination of the stop flow option and Laura software allows the radiochemical measurement to be entirely at the threshold and measurement level required by the user.

The stop flow mode allows the user to achieve superb levels of sensitivity without the labour intensive, time consuming process of fraction collecting.

Active Counting Mode

Radio flow detection has traditionally used a variety of static parameters that are applied to the entire run. We are now able to alter the detection characteristics according to a simplified heterodyne model. This allows the system to actively monitor and adjust run conditions in real time, applying the most appropriate settings dynamically.

ACM provides unrivalled limits of detection while keeping run duration the same as a conventional run. This gives on-line detection limits previously only achieved off-line; Improved resolution and peak definition.

Small footprint
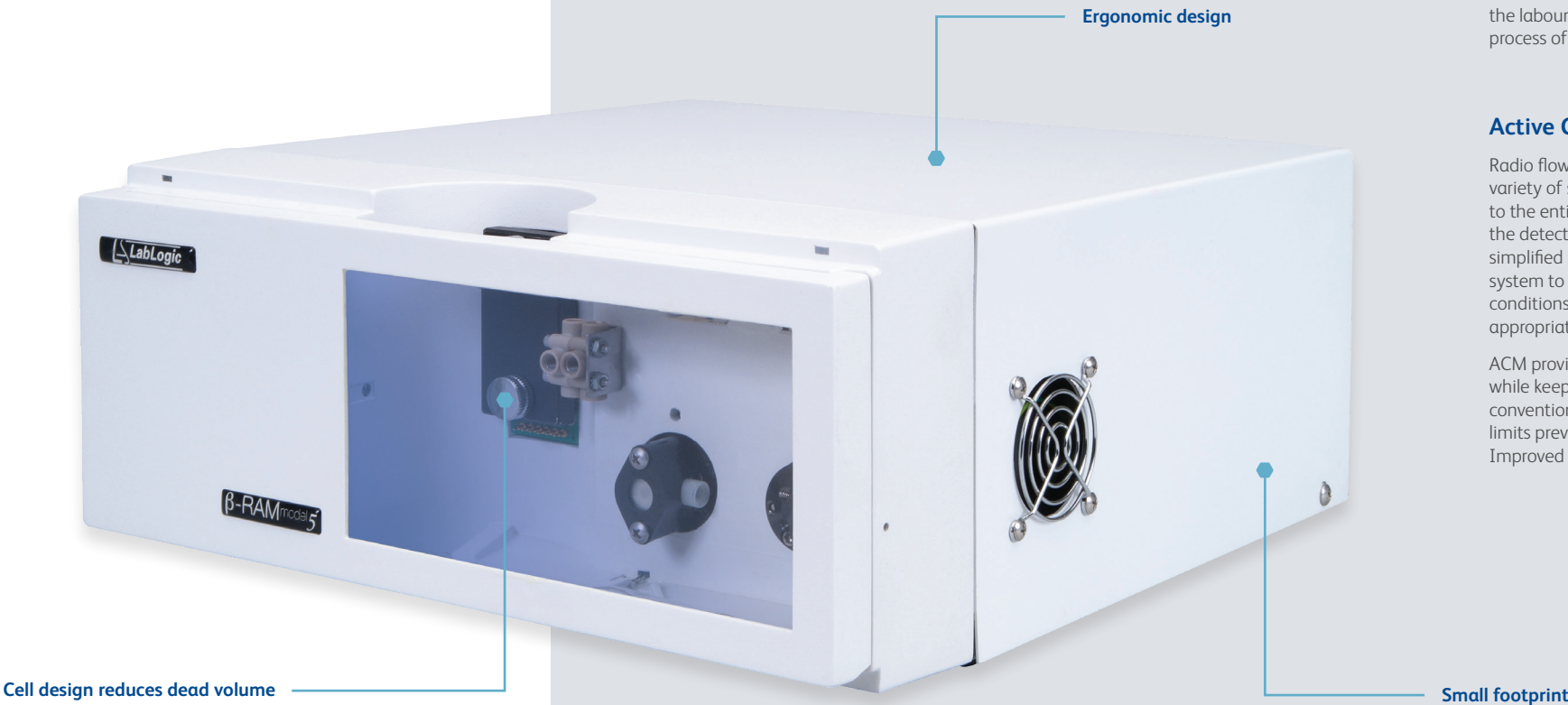
Support for UHPLC®, Rapid Resolution LC, Fast LC

New LC technologies bring new challenges for the radio chromatographer, the Beta-RAM model meets those challenges.

Low dead volume fittings, tubing and mixing components optimised for low flow rates ensure optimum peak shape and definition.

Specially designed flow cells in volumes ranging from 5 µl give superb performance under even the most demanding conditions.

The Beta-RAM range has always offered the lowest background and the model 5 improves this even further.

The Beta-RAM also features sub-second update times to ensure the greatest accuracy with the tightest peaks.
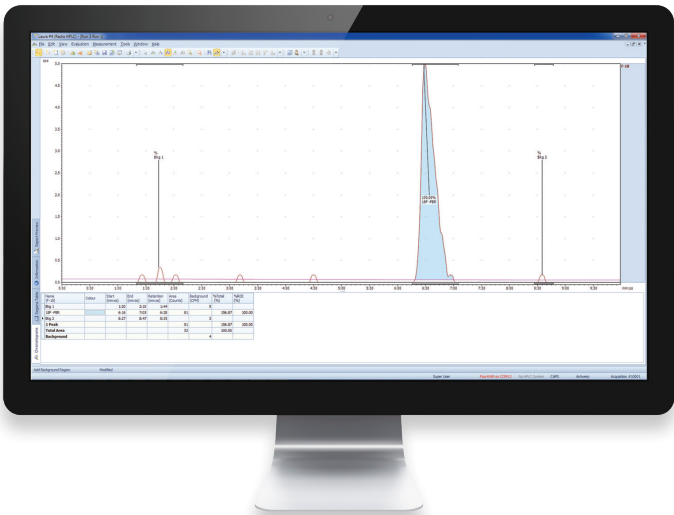
Basic Specifications	
Size	38 cm (L) x 35 cm (W) x 16 cm (H)
Weight	13 kg
Please refer to the Technical Specification Sheet for further information	

Service and Support

Users of our systems can benefit from our comprehensive, fully inclusive service and support.

We provide complete service and support for all of our customers to give reassurance that if things go wrong or you need expert advice, help is only an e-mail or phone call away.

Validation Services

Our Validation Service enables you to implement and get maximum value from your investments as soon as possible.

We work as a partner with your Quality Manager, System Manager and users to provide a tailored Validation Plan suited to your needs. Our Validation Specialists incorporate years of experience in GLP system validation, detailed knowledge of our systems, together with other industry standard systems to help you meet your company's requirements.

Training

LabLogic can provide a variety of training courses and workshops to help you get the most out of your instrument and software.

All training is performed by our expert Product and Support Specialists who have many years experience in the development and use of the instruments and software.

Certificates can be provided to compliment your internal GLP training records.

Related Products

Hidex 300 SL
Liquid Scintillation Counter

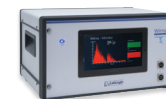**Hidex Sense**
Multi-technology Microplate Reader

Hidex AMG
Automatic Gamma Counter

Wilma
On-line Water Monitor for Radionuclide Detection

Laura™
Radiochromatography Data Collection and Analysis Software

Consumables

Europe & Worldwide
LabLogic Systems Limited
Paradigm House, 3 Melbourne Avenue
Broomhill, Sheffield, S10 2QJ, UK
E-mail: solutions@lablogic.com
Tel: +44 (0)114 266 7267
Fax: +44 (0)114 266 3944
Web: www.lablogic.com

USA & Canada
LabLogic Systems, Inc.
East Pointe Park, 1040 East Brandon Blvd.
Brandon, FL 33511-5509, USA
E-mail: solutions@lablogic.com
Tel: +1-813-626-6848
Fax: +1-813-620-3708
Web: www.lablogic.com

Certificate No: 1535 ISO 9001 | Certificate No: 1535 ISO 9001 | Certificate No: 10926 ISO 9001

LabLogic
EXPERIENCE & EXPERTISE