



# **SmartBlock II**

**METALS DIGESTION BLOCK** 

### DIGESTION BLOCK

Fast, simple and reproducible digestions for trace metals, TN, TP

- Economical
- Low Maintenance
- Time Saving
- Rugged Construction

#### Suitable for EPA Approved Methods:

3005, 3010, 3050A, 3050B, 200.2, 200.7, 200.8, 7470A, 7471A, 245.1, 1631, 245.7 and more!

#### ALSO AVAILABLE

#### SmartBlock II Plus

with programmable controller to automate your digestion procedure

Save multiple programs for higher efficiency!



# **SmartBlock II**



# Compact, easy-to-use bench top heating block, ideal for labs with limited space.

#### USER FRIENDLY AND ECONOMICAL

- Large easy to read LED displays current set temperatures
- Use the supplied digestion tubes for normalization and eliminate the need for digestion beakers, volumetric flasks, graduated cylinders storage containers, etc.
- Take the digestion tubes straight from the SmartBlock to your ICP or other analyzer
- A large range of accessories gives you complete flexibility

#### EFFICIENT

- Up to 96 simultaneous sample digestions
- Fast & uniform heat distribution-from ambient to 180° C
- Evenly heats the digestion tubes on both the sides and the bottom to ensure optimum heat transfer
- Temperature stability eliminates the need to move individual digestion tubes to a more favorable position

#### DURABLE AND SAFE

- Solid graphite heating block allows for maximum heat transfer from heater base to digestion tubes and eliminates corrosion and sample contamination
- Rugged Teflon coating resists highly corrosive acids
- Corrosion proof external temperature probe
- Built in safety features protect both operators and samples including:
  - Over temperature cut out to protect samples
  - Integrated temperature controller
  - Isolated electronics
  - Temperature lock-the last temperature set will be remembered, even if turned SmartBlock is turned off

SmartBlock II can significantly reduce sample volume, chemicals, digestion time, and power consumption

Ideal for trace metal digestions of
Soils • Sludges • Drinking Water • Wastewater
Biological Samples and Tissues • Foods
Animal Foods • Nutritional Supplements

## SIMPLER & SAFER DIGESTIONS

Extra racks allow you to weigh sample directly into the digestion tubes. The racks can be transferred directly to the SmartBlock II. After digestion the rack can be used for cooling. Extra racks facilitate batch handling of samples and digestion tubes.

### ACCESSORIES



#### Standard 50ml Vials

- Polypropylene
- Graduated
- Available in 15mL, 50mL, or 100 mL



PTFE Digestion Tubes

- Designed for more strenuous digestions
- Can be heated up to 200° C

Extra Racks

High Temperature Racks

Standard Vial Caps







#### PLEASE VISIT www.seal-analytical.com

or contact your local SEAL Analytical representative about your specific application.



**Dimensions** 13"H x 26"W x 7"D

**Weight** 57 lbs | 25.85 kg

Voltage 110 or 240 VAC

**Power** 15 A at 110/115 V

Heating Block Material Teflon coated graphite

**Temperature Range** Ambient - 180°C with PTFE Digestion Tubes

Ambient - 135°C with Polypropylene Digestion Tubes

Temperature Display Integrated LED, displays current and set temperature

**Configurations** 60 tubes / 50ml (standard) 96 tubes / 15ml 36 tubes /100ml

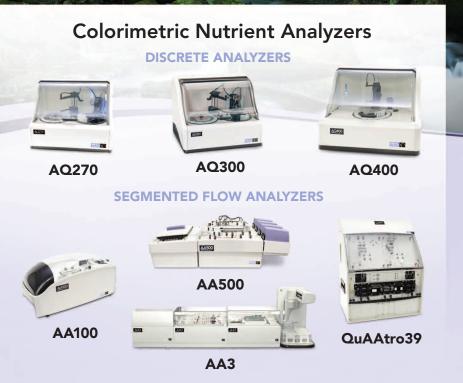
#### **Digestion Tube Options**

Accommodates flat bottom digestion tubes (standard)

Accommodates conical bottom digestion tubes (optional, must be specified)

**Custom Digestion Tubes** Application specific digestion tubes accepted

Warranty 1 Year (excludes consumables)



#### 50 Years' Experience in Environmental Analysis Built into Every Analyzer

50 years' experience in designing, developing and manufacturing automated wet chemistry analyzers specifically for very low detection levels in environmental applications has helped SEAL to apply the most useful, easy to use features into the SEAL range of Discrete and Segmented Flow analyzers. The SEAL analyzers are widely acknowledged as the best for environmental analysis, giving you everything you need to achieve equal or superior results to the manual and approved laboratory methods the SEAL analyzer replaces.



SEAL Analytical

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SEAL Analyzers are monitoring environmental samples in every corner of the globe. They are manufacturered in the USA, Germany and the Netherlands. Engineering and chemistry support is provided from SEAL global facilities in USA, Germany, England, the Netherlands and China along with a worldwide network of specialist distributors.

#### **COMPREHENSIVE SUPPORT**

We offer comprehensive applications, technical service and software support.

#### \_\_\_\_\_ INCLUDING

- A choice of preventative maintenance and service contracts to meet your specific requirements
- In-house and online training
- Guaranteed availability of genuine consumables and spare parts
- Adaptation of methods to specific requirements such as matrix, range or detection limit
- Continuous in-house development of software to incorporate new customer requested features

#### Robotic Handling Systems

SEAL Robotic Minilab systems for automating sample (pre) treatment in the laboratory improving your sample handling efficiency. Typical applications include BOD, pH, COD, Alkalinity, and conductivity measurements with options such as decapping/capping, sample splitting, and filtration. Call us about your laboratory needs and we will design a robot to suit you.



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