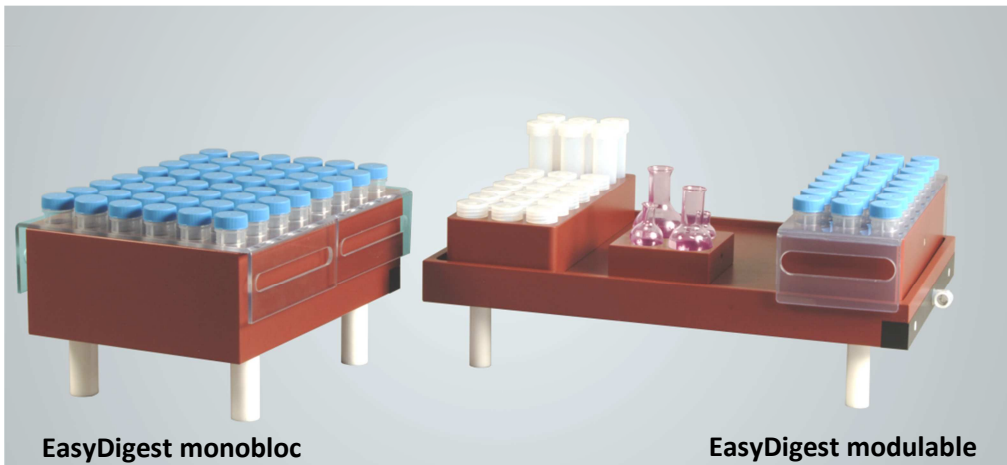


EasyDigest®

Digestion devices.



EasyDigest monobloc

EasyDigest modulaire

Acid inertness

The 400µm thick PFA coating on our devices offers protection from corrosion by aggressive reagents, ensuring that the **risk of contaminating your samples**, work spaces and clean rooms is eliminated. All devices have successfully passed acceptance testing cleanroom class1.

Performance

Perfect temperature uniformity across the heating surface; your samples are mineralized and evaporated at the same temperature and rate.

Reliability

The temperature controller, connected to the device by a 1.7m long cable (held inside a PFA tube), can be placed outside the fume hood for better protection and is **safe for continuous use**. All heated parts are fully encased and impervious to attack by corrosive reagents, ensuring a **long, maintenance-free life**.

Flexibility

Our devices are offered in standard sizes and can also be **tailor-made to customer specifications**, depending on the available workspace and size of your vessels.

Functioning

Principle

The **EasyDigest**[®] allows mineralization and dissolution of all kinds of samples in any type of vessels (glass or plastic, disposable or not) with a stable and homogeneous heating system.

It adapts to your work environment (custom manufacturing) and your vessel's dimension (large variety of racks and supports adapted to the hotplate). The temperature is stable and accurately regulated (+/- 2°C). The maximum temperature is set at 250°C which is quite enough for most of the acids commonly used. (For a higher temperature, please contact us)

Reliability

Entirely covered with a layer of PFA, there is no contamination possible of the samples by the device. The design of the coating protects efficiently the heating elements and ensures a maintenance-free long lifetime of the **EasyDigest**[®].

Many standards are available, but they can also be customized to tailor your needs.

Easydigest[®] monobloc

Flexibility: Available in « monobloc » version 24 or 48 positions, the **EasyDigest**[®] can accommodate racks adapted to your 7ml vials to 120ml jars disposable or reusable.

Important: The « monobloc » devices can be tailor-made to your vessels or beakers' sizes.

Precautions for use

Necessary precautions in handling heating blocks are the same as those previously described for other devices and must be observed in order to protect the user and the integrity of the device.

Easydigest[®] modulable

The **EasyDigest**[®] modular transforms a hotplate into a mineralization device of 24-48-72-96 positions, depending on the size of your containers.

The technical data are identical to the monobloc version, except that we can have 1-2-3 or 4 racks of 24 positions of the same size but with different diameter holes for different vessel size.

Reminder: All **Analab** devices are made completely in inert to acid materials. They do not emit any particles that could contaminate the samples and the laboratory. The temperature homogeneity is perfect. All devices have successfully passed acceptance testing cleanroom class1.

Ideal for trace and ultra-trace analysis.

The safety design of the temperature controller (4 electronic and physical safety fuse) allow for an intensive use.

Technical data

Reference	Length (mm)	Width (mm)	Height (mm) Feet included	Weight (kg)	Number of positions on the ED's top	Volume of your vessel in mL
ED-24-50	285	185	209		24	50
ED-48-50	372	270	199	18	48	50
ED-PL-57x38x5	570	380	130		24/48/72/96	50

Reference	Power	Amp for EasyDigest 230V
ED-24-50	2600 W	11.3 Amp
ED-48-50	1500 W	6.5 Amp
ED-PL-57x38x5	2600 W	11.3 Amp

Voltage: 230V (50Hz) or 110-115V (60Hz)

Temperature: 250°C maximum – Uniformity +/- 2°C
Temperature rise: 6°C / minute
Temperature drop: 1°C / minute

Material: PFA coated graphite

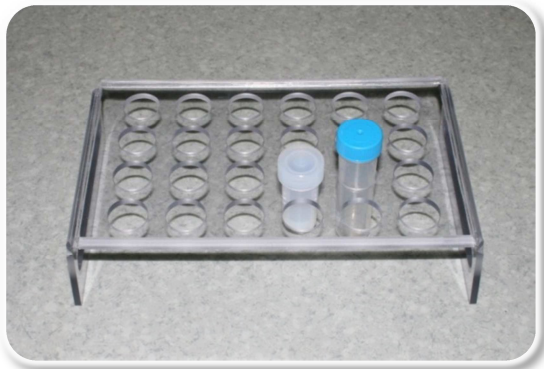
Warranty: 1 year for electronic and electric elements
2 years for the graphite (under normal use, without putting on any sharp vessel)

Options & Accessories

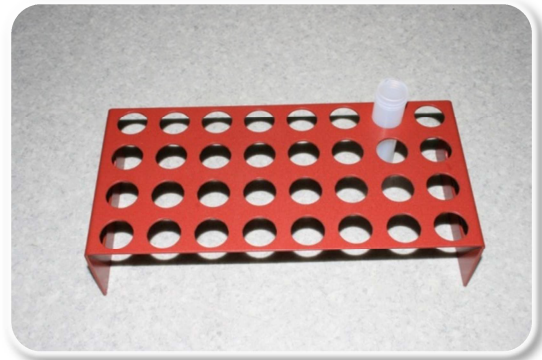
TransRack

The TransRack is an ideal digestion and evaporation devices.

- It ensures the proper positioning of the containers (vials, jars, tubes) on the device.
- It allows a safe handling and transport of your samples.



Polycarbonate :
Max temperature 120°C



Inox coated rack: acids
inertness
Max temperatures 250°C

The PFA containers are also available on our website: www.analab.fr

Temperature controllers

Developed to control reliably and safely the ANALAB® devices

Non-Programmable		
	110V	230V
	REG-RNP-1V-F (PXE4)	REG-RNP-2V-F (PXE4)
<i>With extra display for In Situ sensor (included)</i>	REG-RNP-AFF-1V-C (PXE4)	REG-RNP-AFF-2V-C (PXE4)

Programmable		
	110V	230V
	REG-RP-1V-E/P1 (PXG4)	REG-RP-2V-E/P1 (PXG4)
<i>With extra display for In Situ sensor (included)</i>	REG-RP-AFF-1V-D (PXG4)	REG-RP-AFF-2V-D (PXG4)

Dimensions: 205 x 160 x 65 mm

Weight: 1.16 kg

In Situ sensor length: 270 mm

Warranty: 1 year for electronic and electric elements



REG-RP (PXG4)



REG-RNP (PXE4)



REG-RP-AFF (PXG4)

Non contractual pictures

These choices ensure high sample preparation performance and high savings on your operating budget.

