

EasyDigest®

Sample digestion in all types of containers.



Non contractual pictures

Monobloc EasyDigest

Modular EasyDigest

Introduction to our devices

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 reagents are purified 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

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.

Performance

Thanks to the graphite material used for manufacturing the **EasyDigest**[®], temperature homogeneity between the samples is perfect.

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 or any other request, please contact us)

Reliability

All EasyDigest devices are made of PFA coated graphite, material inert to acids. They do not emit any particles which could contaminate samples and the laboratory. They have all successfully passed acceptance testing cleanroom class 1.

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.

Easydigest[®] modulable

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.

Perfect for trace and ultra-trace analysis.

Security of controllers (4 in total) allows an intensively use.

Technical data

Dimensions (required space)

| Reference | Length (mm) | Width (mm) | Height (mm) Feet included | Weight (kg) | Number of positions | Volume of vessel in mL |
|-----------|-------------|------------|------------------------------|-------------|---------------------|------------------------|
| ED-24-50 | 285 | 185 | 209 | 15 | 24 | 50 |
| ED-48-50 | 372 | 270 | 199 | 18 | 48 | 50 |

Many other models available, please contact us.

Power

| Reference | Power | Amp for EasyDigest 230V |
|-----------|--------|----------------------------|
| ED-24-50 | 1500 W | 6.52 Amp |
| ED-48-50 | 1100 W | 9.57 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)