



FAST SIMPLE CLEAN ACCURATE COST EFFECTIVE

# DigiBlock

## Solutions in Sample Preparation

Distribuito da:  
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# Solutions in sample preparation

Sample preparation procedures account for approximately 85% of the time associated with atomic spectroscopy analysis.

Quality, easy of use and speed are key factors in today's analytical lab.

- » Higher throughput of samples
- » Uniform temperature across the block
- » Minimum radiant heat loss
- » Reduced contamination
- » Cost savings by disposable digestion tubes



## DigiBlock: your partner in metal digestion

DigiBlock digestion systems provide clean, economical, efficient digestions.

DigiBlock heating surface is made of graphite or stainless steel protected by PTFE.

DigiBlock can accommodate as many as 54 graduated tubes and can operate from ambient temperature up to 450°C.

LabTech offers a complete range of hotblock digestion systems to suit customers needs:

- ED16S
- ED36S
- ED54S
- EHD36S

DigiBlock complies with the highest international standards to perform **EPA approved methods**.

DigiBlock use low cost, disposable digestion tubes to speed up and simplify the digestion process.

The digestion tubes are clean, with no detectable background contaminants and do not require washing with acids prior to use.

Different sizes disposable tubes are available to meet your laboratory needs.

## Fields of application



Food and Feed



Environmental



Pharmaceutical



Biochemistry



Clinical



Paint chips



# DigiBlock configuration options

## Stand alone

High energy efficiency and top thermal insulation of electronics and heating block, allow all DigiBlock units to save electric power and have low operation costs. Graphite or PTFE coated stainless steel heating blocks eliminate metallic contamination of samples and protect DigiBlock units from acid corrosion. All DigiBlock units include racks for sample handling and a tube basic set (according to the model).

- Plug and Play
- Ideal for 1 step temperature ramps
- Compact and Durable
- Low electric power consumption
- No metal contamination
- PC interface option

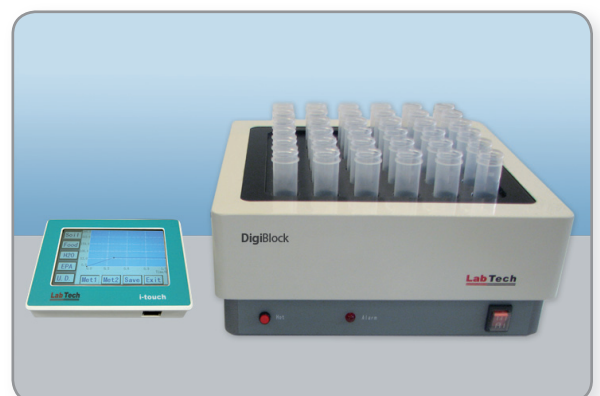


*Stand alone*

## iTouch Terminal

Includes all the advantages provided by the stand alone configuration. LabTech iTouch terminal offers all DigiBlock users an unique and innovative tool to match the most demanding control needs throughout the entire sample digestion process. LabTech iTouch software provides a user-friendly control of the sample digestion process with automatic and real-time monitoring of sample parameters.

- TFT 4.5 inch colour touch screen display
- Methods storage capability
- External temperature sensor (optional)
- Real time temperature and data monitoring
- Limit temperature alarms
- Up to 15 heating steps programmable
- PID Temperature control
- Factory-stored methods



*iTouch Terminal*

## Accessories

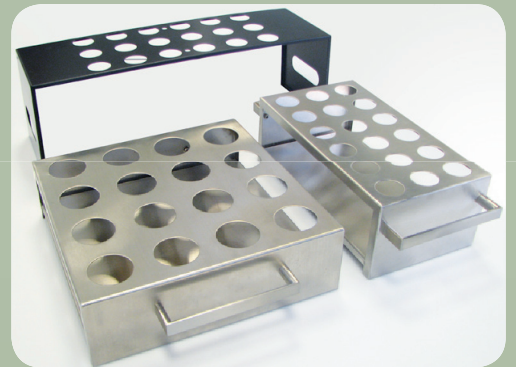
P/N	Material	Max Temp.	High	Diameter	Volume
<b>GC-16</b>	Glass	450°C	120mm	42mm	100ml
<b>GC-36-L</b>	Glass	450°C	180mm	30mm	50ml
<b>GC-36-S</b>	Glass	450°C	120mm	30mm	50ml
<b>SC36</b>	PP	130°C	105mm	30mm	50ml
<b>TF-16</b>	PTFE	210°C	125mm	42mm	100ml
<b>TF-36</b>	PTFE	210°C	125mm	30mm	50ml

## Digestion Tubes



P/N	Material	Dimensions (mm)	Diameter of holes	Quantity of holes
<b>BKS-16</b>	Stainless Steel	330x270x80	44mm	16
<b>BKS-36</b>	Stainless Steel	340x150x100	32mm	18
<b>BKT-36S</b>	PTFE Coated	440x150x130	32mm	18
<b>BKT-54</b>	PTFE Coated	410x140x190	32mm	18
<b>BKP-36S</b>	Polycarbonate	440x145x140	32mm	18
<b>BKP-54S</b>	Polycarbonate	410x140x190	32mm	18

## Racks



## Technical Specifications

Model	Electrical	Power (Watts)	Max. Temp. (°C)	Accuracy (°C)	Tubes N°	Heating block material	Dimensions (WxDxH mm)	Weight (Kg)
<b>ED16S</b>	220V/50Hz	1000	210°	± 0.2°	16 (100ml)	Aluminium Alloy PTFE coated	390x380x190	22
<b>ED36S</b>	220V/50Hz	1400	210°	± 0.2°	36 (50ml)	Aluminium Alloy PTFE coated	420x420x190	23
<b>ED54S</b>	220V/50Hz	3000	240°	± 1°	54 (50ml)	Aluminium Alloy PTFE coated	536x398x290	42
<b>EHD36S</b>	220V/50Hz	3000	450°	± 1°	36 (50ml)	Graphite	538x442x198	35

*All models can be configured with iTouch terminal*

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