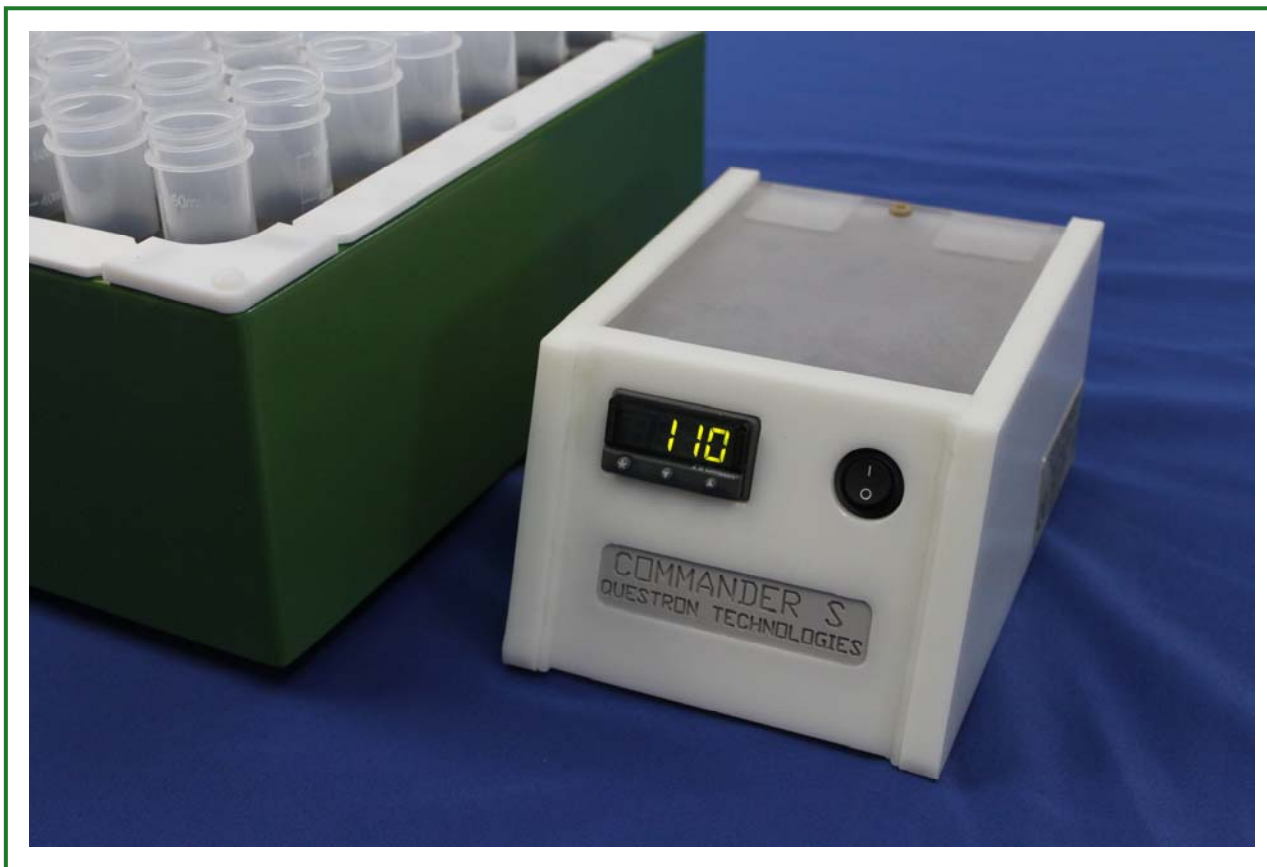




QBlock Single Block Controller



Introduction

Questron Technologies' QBlock series of block digestion products is an example of our dedication in providing innovation through technology to the laboratory analyst. Our Single Hot Block QBlock Controller module provides the ability to program and control the temperature of a QBlock digester – it is a low cost but effective solution for heating Hot Blocks.

Hot block digestion technique has been approved by authorities such as the United States Environmental Protection Agency (US EPA) as a suitable means of performing EPA methods such as 200.2, 200.7, 3005, 3010, 3050A and 3050B, as well as mercury prep methodologies. Our QBlocks are designed and manufactured to the most rigorous specifications available to hot block technology today. At 240°C, our products have the highest continuous maximum temperature rating for block digesters.

Our QBlocks use Teflon-coated, graphite, precision – drilled with a matrix of holes to accept our 50 ml and 100ml polypropylene, Teflon, and glass digestion tubes.

A generous coating of Teflon on the complete graphite surface ensures a long lasting product that will provide years of contamination-free and repeatable digestions. This graphite block is then encapsulated in high efficiency insulation and enclosed in a Teflon-coated exterior box that remains comfortable to the touch, even when the graphite block provides an unparalleled 230 deg. C heat, while maintaining a set-point of +/- 0.1 deg. C.

The Single channel Controller is a viable low cost alternative to our QBlock Commander which provides unparalleled value and ease of operation in block digestion. The instrument is easy to program and provides the simplicity and power to heat any Hot Block that has as input a 100 VAC to 240 VAC power supply as well as a thermocouple, or RTD based temperature readout. The module occupies only 5" X 8" footprint and is placed outside the fume hood, where the operator can program the heat profile and let the module do its job.

The module can operate from 100 -240 VAC, 50/60 Hz, 10 Ampere outlet. Included in the program are the provisions to specify temperature ramp rate, multi-step temperature set-points, and sample soak time.

QBlock Single Channe Controller

- An operator friendly, low cost, programmable, Hot Block controller.
- Provides true sample temperature monitoring through dual thermocouple probes concept
- Real-time temperature display of current temperature
- Able to easily program ramp and soak times for an effective digestion of various samples.
- Overheat prevention safety feature
- Capability of external calibration of thermocouples
- Compatible with any third party hot block capable of 100-240VAC operation and thermocouple or RTD feedback

Available Vials

	Polypropylene	Glass	Teflon®
50ml	Yes	Yes	Yes
100ml	Yes	No	Yes
Temp.	120°C	230°C	230°C
Usage	Single	Multiple	Multiple
Cap	Yes	No	No



Specifications

QBlock Controller

Dimensions	15.3 x 21.6 x 11 cm 6" x 8.5" x 4.3"
Weight	2.50 kg. (5.5 lbs.)
Temperature inputs	1 for QBlock 1 for sample
Power input	100-240VAC, 50/60Hz@6Amps
Power output	100-240VAC, 50/60Hz@6Amps
Data storage	1 digestion method

QBlock Digester

Dimensions	29.30 x 33.50 x 13.20 cm 11.5 x 13.2 x 5.2 in
Weight	14 kg. (31 lbs.)

QBlock Digesters

- Available in two configurations – **QBlock 4200** (50ml vials/42 positions), and **QBlock 3000** (100ml vials/30 positions)
- Complete flexibility – a variety of vials and liners can be used
- Capable of accepting microwave digestion Teflon® liners for pre- and post-digestion treatment of samples
- Only hot block in the market that reaches adequate temperatures for tri-acid treatment
- Thermally secured from 5 sides, thus conserving energy
- Non-contaminating heat-sustainable Teflon®-coated sample vial carrying tray
- Remotely placed electronics controls
- Adequate sample handling capacity allows individual control over diverse groups of samples in multiple hot blocks, resulting in increased lab efficiency
- Upgradable to automated reagent delivery and sample work-up



Your local distributor:

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