

Histology Innovation for a NEW Generation

Pub No.: OM ST-120/220
June 2013, Version 7.4
ST-120; ST-220

Operator's Manual

SHURTrim™ Paraffin Block Trimmer

Catalog #s
ST-120, ST-220



TABLE OF CONTENTS

Topic	Page
Warranty card	Insert A
Introduction	2
Symbols and conventions	3
Overview and specifications	4
Instructions	7
Precautions and maintenance	8
Regulatory Compliance	9
Contact information	11

INTRODUCTION

Congratulations on your decision to purchase a TBS® SHURTrim™ Paraffin Block Trimmer. Your instrument is designed to remove excess paraffin from embedded tissue cassettes. Simply slide paraffin blocks across the heated grooved surface. Melted paraffin is shaved away to conveniently positioned disposable receptacles. Preparing embedded tissue blocks for insertion into microtome quick release clamps has never been easier or safer.



Symbols and Conventions

Important Notice



Hot Surface



OVERVIEW AND SPECIFICATIONS

TBS® SHURTrim™ Paraffin Block De-waxer

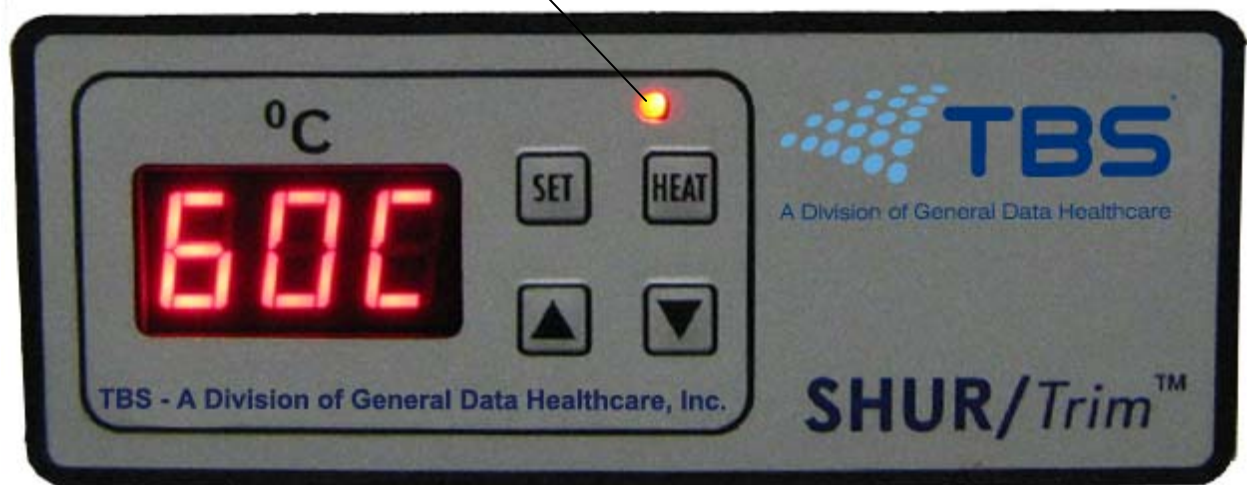


SHURTrim™ Control Panel

Flashing green indicates power off to the metal plate.

Blinking red indicates power to heating element on but set temperature not reached.

Solid red indicates that the set temperature of the metal surface has been achieved and the microprocessor has begun to regulate the temperature.



Specifications

Specification	North American and Japan	International
Dimensions	Height 15cm (6") Width 23cm (9") Depth 18cm (7")	Height 15cm (6") Width 23cm (9") Depth 18cm (7")
Voltage	120VAC \pm 10% 50/60Hz single phase	230VAC to 240VAC \pm 10% 50/60Hz single phase
Operating Current	2.0 A	1.0 A
Power	240 W	240 W
Fuse	3.15 A	1.6 A
Default Temperature Setting	60C	60C
Maximum Temperature Setting	75C	75C
Weight	Unit 3kg (5 lbs) Shipping 4kg (9 lbs)	Unit 3kg (5 lbs) Shipping 4kg (9 lbs)

INSTRUCTIONS

1. Remove the equipment from the shipping carton carefully. Save the shipping carton and all packing material until proper operation of the equipment is confirmed. Immediately notify the carrier if there is any visible damage to the carton or its contents. Failure to do so may limit your ability to obtain compensation for damage.

NOTE: Be certain to complete the warranty card and insert into the mail. Failure to do so within 10 day from the date of the invoice may invalidate your warranty.

2. Connect the power cable to the unit and into a properly grounded outlet.

NOTE: If your unit was shipped outside of the U.S., check the label on the rear of the instrument for the electrical requirements.

3. Switch the *ON/OFF* switch at the rear of the unit to the **ON** position as indicated by the “I” being flush with the instrument housing. Pressing the “O” inward turns the unit off.
4. Immediately upon turning the unit on, the unit will go through a short power up test. Each segment of the display will turn fully on as will the heat indication LED. Then they will turn off and the unit will display the current temperature of the plate (if the unit has not been on for a while, this should be approximately room temperature of 20C to 25C).
5. Press the *HEAT* key to initiate the heating. The small LED indicator will light up red and will stay illuminated. During the warm up phase, the red indicator light will blink red. Once the set temperature has been reached and is stable, the red LED will stop blinking and remain on. This is an indication that the controller is functioning to regulate the temperature. A red solid light is the normal operational mode.
6. To increase or decrease the preset temperature, press the *SET* key and then press the decrement (down arrow) or increment (up arrow) keys until the desired temperature is displayed. The optimal operating temperature for melting most paraffins in a reasonable time frame without the unit being too hot to work comfortably is approximately **60°C - 65°C**.

PRECAUTIONS AND MAINTENANCE

- When initializing operation, please allow sufficient time for the heated plate to reach the desired temp (approximately 10 min or less). The actual temperature displayed can differ by a degree or two from the set temp depending on the room temperature and the air circulation surrounding the unit.
- Your SHURTrim™ Block Trimmer is designed to run continuously; however, a power surge can disrupt the operation. If this happens, the unit turns off the heat for safety reasons and will return to room temperature. It will require pushing the *HEAT* key to reactivate the heating function. The unit can be connected to a surge protector or some form of uninterrupted power source to ensure against such disruptions. To save electricity, it is recommended that the unit be powered off following use. When powering on the next morning, be certain to push the *HEAT* button to activate heating.
- The fuse holder is part of the power entry module on the rear of the unit. Utilize only the indicated fuse rating.
- Little maintenance is required except to remove any paraffin spillage and/or buildup. A small apparatus (cat# ST-PCH) is included for positioning disposable cups under the drain tube to collect melted paraffin. An initial supply of cups is included. Additional ones can be ordered. Specify cat # ST-PDC.

REGULATORY COMPLIANCE

The **ST-120/ST-220** SHURTrim™ Block Trimmer has been tested to rigorous international quality safety standards and has been found to be in compliance with the appropriate regulations and specifications relating to laboratory instrumentation including:

Emissions – North American and Japan

- US - FCC Class B for the 120VAC version
- US - FCC Class A for the 230VAC version
- US - ISO Standard 17025:2005 (Lab code: 200094-0)
- Canada - ANSI C63.4-2003
- Japan - Regulations for Voluntary Control Measures

Emissions – European Community

- EN 61326-1:2006 Product Family Standard Immunity
- EN 61326-1:2006 Product Family Standard Emissions
- EN 55011:2007
- EN 55011:2007
- EN61000-3-2:2006
- EN61000-3-3:1995 +A1:2001 +A2:2005
- EN61000-4-2:1995 +A1:1999 + A2:2001
- EN61000-4-3:2006
- EN61000-4-4:2004
- EN61000-4-5:2005
- EN61000-4-6:2007
- EN61000-4-8:1993 +A1:2001
- EN61000-4-11:2004

Safety

- UL 61010A
- CSA 61010-1
- CE EN61010-1

Serial Number Labels

ST-120:

 <small>A Division of General Data Healthcare</small>	TBS – A Division of General Data Healthcare 3014 CROASDAILE DRIVE • DURHAM, NC 27705-2507 • USA 919.384.9393 • FAX 919.384.9595 www.trianglebiomedical.com	Model	SHURTrim™
CAUTION: NO USER SERVICABLE PARTS INSIDE – REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY. TO PREVENT ELECTRIC SHOCK DO NOT REMOVE ANY ENCLOSURE PARTS.		CAT #	ST-120
AT THE DATE OF ITS MANUFACTURE, THIS INSTRUMENT OR DEVICE HAS BEEN TESTED AND FOUND IN FULL COMPLIANCE WITH THE FOLLOWING STANDARDS:		Serial Number	
 Made in USA		2908ST0075-03	
		Rev. #	03
		MFG	July 2009
		Volts	100-120
		Amps	2
		Hz	50/60

ST-220:

 <small>A Division of General Data Healthcare</small>	TBS – A Division of General Data Healthcare 3014 CROASDAILE DRIVE • DURHAM, NC 27705-2507 • USA 919.384.9393 • FAX 919.384.9595 www.trianglebiomedical.com	Model	SHURTrim™
CAUTION: NO USER SERVICABLE PARTS INSIDE – REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY. TO PREVENT ELECTRIC SHOCK DO NOT REMOVE ANY ENCLOSURE PARTS.		CAT #	ST-220
AT THE DATE OF ITS MANUFACTURE, THIS INSTRUMENT OR DEVICE HAS BEEN TESTED AND FOUND IN FULL COMPLIANCE WITH THE FOLLOWING STANDARDS:		Serial Number	
MADE IN USA		2908ST0075-03	
		Rev. #	03
		MFG	July 2009
		Volts	230-240
		Amps	2
		Hz	50/60

CONTACT INFORMATION

Customer service (919) 384-9393

Fax (919) 384-9595

Mailing address **TBS – A Division of General Data Healthcare, Inc.**
3014 Croasdaile Drive
Durham, NC 27705 U.S.A.

Sales and product information sales@trianglebiomedical.com

Product Service questions productservice@trianglebiomedical.com

All other inquiries tbs@trianglebiomedical.com

Please visit us at
<http://www.trianglebiomedical.com>

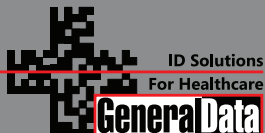
More Information

PH: 844.643.1129

www.general-data.com/hc

General Data Healthcare helps labs enhance productivity and improve workflow with innovative products, solutions and support that focus on delivering better patient safety & care.

©2014 General Data Healthcare, Inc. All rights reserved. Specifications are current at the time of publication; however, they are subject to change without notification. All trademarks and registered trademarks are property of General Data Healthcare, Inc., Cincinnati, Ohio, USA.



General Data Healthcare, Inc.
Headquarters: 4354 Ferguson Drive, Cincinnati, OH 45245
TBS Facility: 3014 Croasdaile Drive, Durham, NC 27705

Sales Inquiries:
PH: 844.643.1129
Email: talktous@general-data.com
Web: www.general-data.com/hc

Service:
PH: 800.245.5029
Email: customersupport@general-data.com