



ES315

ES215



ES-215/ES-315 PORTABLE AUTOCLAVES

Featuring Delayed Start Timer and Warming Cycle

TOMY ES-215 and ES-315 Autoclaves with Delayed Start Timer and Warming Cycle are completely self-contained, compact, and portable. They roll right to your workbench to give you fast, effective sterilization of media, glassware, instruments, and disposables—on the spot and on your schedule.

The ES Series Autoclaves also feature three cycles of operation and Graphic Process Display.

TOMY

ES215

ES315

The ES-215 and ES-315 Autoclaves provide convenient processing of your laboratory sterilization and media preparation needs. These functional autoclaves offer three cycles of operation ranging from basic sterilization cycles to automatic warming cycles.

The eight hour warming cycle featured in the Tomy ES Series.

Autoclaves may be used directly following a sterilization cycle or independently to melt and keep sterile media ready for use.

To increase your convenience, these cycles may be programmed up to 99 hours in advance using the Delayed Start Timer. This feature enables you to have sterile media on hand and ready for use when you need it.

Tomy Autoclaves also spare you the initial installation costs associated with the plumbing and hard wiring of

conventional autoclaves because they are portable. Just plug in the power cord, add water, and let the self-contained steam generator and venting system do the rest.

Tomy's vertical loading autoclaves accommodate a wide range of items. Small items like petric dishes and test tubes are easily accommodated in the stacking baskets while large items like a fermenter or a 25 liter carboy may be placed in a tall basket. Buckets are also available for sterilizing liquids. To ensure your safety and complete sterilization, Tomy Autoclaves are equipped with independent temperature and pressure monitoring systems.



Operates in any size. Just select the cycle and set the temperature and time. The screen continues to display clearly and enables others to see how the process and completion of the operation.

Sales Office:

TOMY DIGITAL BIOLOGY CO., LTD.
"EDGE" Building
2-5-1 Bunkyo-ku, Tokyo 118-0008, Japan
e-mail: info@digital-biology.co.jp
URL: <http://www.digital-biology.co.jp>
phone: +81-3-5834-0810 fax: +81-3-5834-0888

Financial Department

3-14-17 Tama, Nerima-ku, Tokyo 179-0073, Japan

TOMY TECH U.S.A., INC.

4079 Fairchapel Circle, Fremont, California 94538, U.S.A.
e-mail: info@tomytech.com

URL: <http://www.tomytech.com>
phone: 510-440-1976 fax: 510-440-1975
Toll-Free US & Canada: 800-545-TOMY

TOMY SEIKO CO., LTD.

Manufacturer:

TOMY KOGYO CO., LTD.

3-14-17 Tama, Nerima-ku, Tokyo 179-0073, Japan

All TOMY products have a limited one year warranty. Specifications are subject to change according to product advancement. Tomy and Digital Biology is a registered trademark of Tomy Seiko Co., Ltd. and Tomy Digital Biology Co., Ltd. Copyright © 2002, Tomy Seiko and its subsidiaries, Printed in Japan. 4/20/02/5671

| | ES-215 | ES-315 |
|---|--|---|
| Order Number | 1215 | 0315 |
| Chamber Capacity | 22 liters | 53 liters |
| Temperature Setting Range (Sterilization) | 105°C to 125°C | 80°C to 132°C |
| Temperature Control | Microprocessor Control | Microprocessor Control |
| Temperature Display Type | Digital | Digital |
| Temperature Increment | 1°C | 1°C |
| Pressure Display Range | 0 to 250kPa (0 to 36.3 psi) | 0 to 400kPa (0 to 58.0 psi) |
| Pressure Display Type | Analog | Analog |
| Maximum Operating Pressure | 147kPa (21.3 psi) | 210kPa (31.3 psi) |
| Sterilization Heat Source | Stainless steel electric heater, 1.5 kW | Stainless steel electric heater, 2.0 kW |
| Temperature Control | Microprocessor Control | Microprocessor Control |
| Time Control | 1 to 240 minutes, and continuous (Overheating Cycle) | 1 to 240 minutes, and continuous (Overheating Cycle) |
| Time Display | 1 to 9 hours (Warming Cycle) | 1 to 9 hours (Warming Cycle) |
| Width | 400mm (15.745 in.) | 490mm (19.291 in.) |
| Depth | 400mm (15.745 in.) | 500mm (19.685 in.) |
| Height | 920mm (36.181 in.) | 1090mm (42.718 in.) |
| Height of Worksurface | 705mm (27.756 in.) | 875mm (34.453 in.) |
| Chamber Diameter | 200mm (7.874 in.) | 325mm (12.795 in.) |
| Chamber Height | 430mm (17.118 in.) | 635mm (25 in.) |
| Net Weight | 50kg (110 lbs.) | 80kg (176 lbs.) |
| Power (Max voltage and, upon request) | 110V/200V, 50/60Hz, 1-phase 220V/240V/240V, 50/60Hz, 1-phase | 110V/200V, 50/60Hz, 1-phase 220V/240V/240V, 50/60Hz, 1-phase |
| Accessories for the ES-215 | | |
| ACA-215B Basket 12 included 230mm dia. x 390mm ht. 9 in. dia. x 15.35 in. ht. Order No. 2245 | ACA-215S Adjustable Shelf ACA-215S/Order No. 2247 ACA-215T Basket 230mm dia. x 302mm ht. 9 in. dia. x 15 in. ht. | ACA-215K Basket 230mm dia. x 302mm ht. 9 in. dia. x 15 in. ht. Order No. 2246 |
| Accessories for the ES-315 | | |
| ACA-315B Basket 12 included 300mm dia. x 302mm ht. 11.81 in. dia. x 11.93 in. ht. Order No. 2325 | ACA-315T Basket 300mm dia. x 562mm ht. 11.81 in. dia. x 20.118 in. ht. Order No. 2326 | ACA-315K Basket 300mm dia. x 200mm ht. 11.81 in. dia. x 11 in. ht. Order No. 2327 |