

# Flexibility and Versatility

## Improve Your Repeat Dispensing Workflow



### Three modes for versatility

- **DISPENSING:** A step counter displays each volume selected; no need to calculate or convert.
- **AUTO-DISPENSING:** Learns the pace of your last three dispenses and continues at the same pace.
- **PIPETTING:** A positive displacement repeater.



### Comfortable, lightweight

Ergonomic contour design offers easy operation even over an extended period of time. Motorized AutoRep E virtually eliminates all forces, thereby reducing the risk of repetitive strain injuries.



### Volume recognition

Encode™ positive displacement syringes display tip volume automatically. Ideal for dense, viscous or high vapor pressure liquids. Available from 100  $\mu$ L – 50 mL and fit both AutoRep E and S models. New 1 mL and 10 mL volumes.



### Quick recharging

The recharging base fully charges the AutoRep E in only 2.5 hours, or the battery alone in 3.5 hours. The no memory, no maintenance NiMH battery pack can be charged in the same base while another pack is used.



## AutoRep™ E Electronic Adjustable Repeat Dispenser

Precise and accurate, the microprocessor-controlled AutoRep E saves time and effort, speeding up long pipetting series. AutoRep E virtually eliminates all forces that contribute to repetitive strain injuries, which are often associated with multi-dispense pipetting. A selection of easy-loading positive displacement syringes ensures optimal performance from 1  $\mu$ L – 50 mL. Factory calibrated and maintenance free.

# AutoRep E

## Adjustable Repeat Dispenser

### Standard Equipment

- Speeds your repeat dispensing workflow
- Encode syringes "recognized" by AutoRep E. Reduces calculation error;
- Three dispensing modes for more versatility: Dispensing, Auto-dispensing and Pipetting
- Lightweight, ergonomic design eliminates forces contributing to repetitive strain injuries
- Three speeds for aspirating and dispensing aqueous or viscous liquids
- Rechargeable NiMH battery reduces downtime: only 2.5 hrs. to charge
- Positive displacement: Ideal for use with dense, viscous and high vapor pressure liquids
- Encode syringes are available in sterile and non-sterile



## Technical Data

### Ordering Information

#### AutoRep S

| MT-Order No.                                | Description                   |
|---|-------------------------------|
| 17000723                                    | AR-E1 AutoRep E (Electronic)  |
| <b>Spare Parts</b> (supplied with the unit) |                               |
| 17003233                                    | AR-BA Extra NiMH Battery Pack |
| 17004324                                    | AR-RB Charging Base           |

#### Encode Syringes

| MT-Order No. | Description | Maximum Capacity | Qty/ Pkg | Type    |
|--------------|-------------|------------------|----------|---------|
| 17007399     | ENC-100     | 0.1 mL           | 100      |         |
| 17007400     | ENC-100S    | 0.1 mL           | 100      | Sterile |
| 17001871     | ENC-500     | 0.5 mL           | 100      |         |
| 17001872     | ENC-500S    | 0.5 mL           | 100      | Sterile |
| 17013004     | ENC-1000    | 1 mL             | 100      |         |
| 17013002     | ENC-1000S   | 1 mL             | 100      | Sterile |
| 17001873     | ENC-1250    | 1.25 mL          | 100      |         |
| 17001874     | ENC-1250S   | 1.25 mL          | 100      | Sterile |
| 17001877     | ENC-2500    | 2.5 mL           | 100      |         |
| 17001878     | ENC-2500S   | 2.5 mL           | 100      | Sterile |
| 17001883     | ENC-5ML     | 5 mL             | 100      |         |
| 17001884     | ENC-5MLS    | 5 mL             | 100      | Sterile |
| 17013005     | ENC-10ML    | 10 mL            | 100      |         |
| 17013003     | ENC-10MLS   | 10 mL            | 100      | Sterile |
| 17001875     | ENC-12ML    | 12.5 mL          | 100      |         |
| 17001876     | ENC-12MLS   | 12.5 mL          | 100      | Sterile |
| 17001879     | ENC-25ML    | 25 mL*           | 50       |         |
| 17001880     | ENC-25MLS   | 25 mL*           | 25       | Sterile |
| 17001881     | ENC-50ML    | 50 mL*           | 25       |         |
| 17001882     | ENC-50MLS   | 50 mL*           | 25       | Sterile |

\* Includes one adapter. Sterile syringes are certified to be free of detectable DNA, RNase, Endotoxin and ATP. Product is sterilized with beta-radiation to obtain a SAL of 10<sup>-6</sup>, individually wrapped.

### Specifications

| Syringe Capacity | Volume Range of Syringe | Incremental Adjustment | Relative Accuracy % of Nominal Volume |     |     |     | Relative Precision % of Nominal Value |     |     |     |
|------------------|-------------------------|------------------------|---------------------------------------|-----|-----|-----|---------------------------------------|-----|-----|-----|
|                  |                         |                        | 100%                                  | 50% | 10% | 1%  | 100%                                  | 50% | 10% | 1%  |
| 0.1 mL           | 1–100 µL                | 0.1 µL                 | 1                                     | 1   | 1.6 | 8   | 0.5                                   | 1   | 2   | 12  |
| 0.5 mL           | 5 – 100 µL              | 0.1 µL                 | 0.9                                   | 0.9 | 1   | 5   | 0.3                                   | 0.6 | 1   | 5   |
|                  | 100 – 500 µL            | 1 µL                   |                                       |     |     |     |                                       |     |     |     |
| 1.0 mL           | 10 – 1000 µL            | 1 µL                   | 0.6                                   | 0.9 | 1   | 5   | 0.3                                   | 0.5 | 0.8 | 4   |
| 1.25 mL          | 12.5 – 100 µL           | 0.5 µL                 | 0.6                                   | 0.6 | 0.9 | 5   | 0.2                                   | 0.5 | 0.7 | 4   |
|                  | 100 – 1000 µL           | 1 µL                   |                                       |     |     |     |                                       |     |     |     |
|                  | 1 – 1.25 mL             | 10 µL                  |                                       |     |     |     |                                       |     |     |     |
| 2.5 mL           | 25 – 1000 µL            | 1 µL                   | 0.5                                   | 0.6 | 0.7 | 3.5 | 0.15                                  | 0.3 | 0.6 | 3   |
|                  | 1 – 2.5 mL              | 10 µL                  |                                       |     |     |     |                                       |     |     |     |
| 5 mL             | 50 – 1000 µL            | 1 µL                   | 0.5                                   | 0.5 | 0.7 | 3.5 | 0.15                                  | 0.4 | 0.7 | 3   |
|                  | 1 – 5 mL                | 10 µL                  |                                       |     |     |     |                                       |     |     |     |
| 10 mL            | 100 µL – 10 mL          | 10 µL                  | 0.4                                   | 0.5 | 0.7 | 3.5 | 0.15                                  | 0.5 | 0.8 | 4   |
| 12.5 mL          | 125 – 1000 µL           | 5 µL                   | 0.5                                   | 0.5 | 0.8 | 3.5 | 0.15                                  | 0.6 | 1.4 | 6.5 |
|                  | 1 – 10 mL               | 10 µL                  |                                       |     |     |     |                                       |     |     |     |
|                  | 10 – 12.5 mL            | 100 µL                 |                                       |     |     |     |                                       |     |     |     |
| 25 mL            | 250 – 1000 µL           | 5 µL                   | 0.5                                   | 0.5 | 0.6 | 3   | 0.15                                  | 0.3 | 1.0 | 6   |
|                  | 1 – 10 mL               | 10 µL                  |                                       |     |     |     |                                       |     |     |     |
|                  | 10 – 25 mL              | 100 µL                 |                                       |     |     |     |                                       |     |     |     |
| 50 mL            | 500 µL – 10 µL          | 10 µL                  | 0.5                                   | 0.5 | 0.5 | 3   | 0.15                                  | 0.4 | 1.2 | 9   |
|                  | 10 – 50 mL              | 100 µL                 |                                       |     |     |     |                                       |     |     |     |

### Accessories for Encode Syringes

| MT-Order No. | Description   |
|--------------|---|
| 17001885     | ENC-SET Encode Syringe Set, non-sterile, 20 each: 0.5, 1.0, 1.25, 2.5, 5.0, 10.0, 12.5 mL |
| 17000546     | ENC-10ADP Adapter for 25 mL and 50 mL, non-sterile, 10/pkg                                |
| 17000547     | ENC-ADPS Adapter for 25 mL and 50 mL, sterile, individually-wrapped, 5/pkg                |

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