

# MICROLIT E-BURETTE

Motor Operated Burette with 3 Calibrated Pre-set Speeds  
and Quick Set Feature



UK

# Highly Precise Titration with Motor Controlled Piston and Intuitive User Interface



## Enhanced Functionality with a Robust Control Panel

The instrument comes with a powerful Control Panel. Use it to perform functions like automatically re-fill without changing the reading, perform a zero reset (via Tare), switch the instrument off, etc.



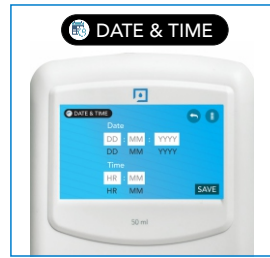
## Perform Quick Titrations with TFT Touchscreen

A user-friendly TFT Touchscreen guides quick and accurate titrations and displays numeric data up to the second decimal. Keep the Stylus pressed against it to perform dispensing and lift it to stop at once.



## Re-direct Reagents with Recirculation Mode

Recirculation Mode prevents the loss of reagents during purging by re-directing them into the mounted bottle and facilitates bubble-free dispensing.



## Calendar & Clock Adjustment

Users can adjust/set the date and time in factory settings, displayed alongside each memory reading for accurate record keeping.



## Work Accurately with 3 Calibrated Pre-set Speeds

The E-BURETTE can be flexibly operated at 3 Calibrated Pre-set Speeds, including dropwise dispensing, to achieve accurate end points.



## Memory Function

The updated memory stores 20 readings with time & date stamps, allowing users to delete individual readings or all at once. Printouts can be generated simultaneously.



## One Touch, One Drop Feature

This unique feature ensures precise dispensing of 0.01 ml per drop, enhancing titration accuracy. This makes it one-of-a-kind.



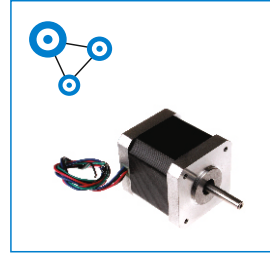
## Quick Set Feature

This new addition allows last saved volume dispensing. This helps in boosting efficiency during titrations.



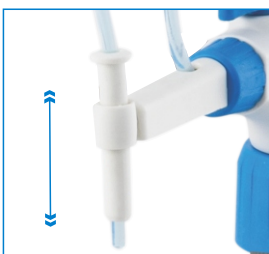
## 3-Speed Re-Calibration

Users can perform individual recalibration at fast, medium, and dropwise speeds, enabling accuracy at each speed.



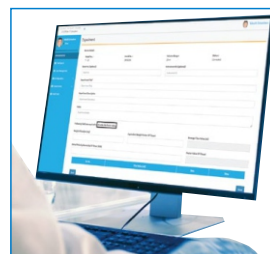
## Operate Smoothly with Motor Control

Motor Controlled Piston Movement eliminates dispensing speed variation, thus delivering highly accurate end points.



## Dispense Easily with Adjustable Nozzle

The adjustable nozzle offers a high degree of flexibility in both the horizontal and vertical directions, facilitating easy dispensing in demanding laboratory conditions.



## 21 CFR Software

Microlit's software which is optional, complies with USFDA 21 CFR Part 11, designed to streamline titration experiments with data security, multi-step authentication and user-friendly features.



### • MICROLIT E-BURETTE •

Microlit E-BURETTE is essential in various industries for titration or volumetric analysis in developing and analysing chemical compounds.

- **Pharmaceutical Industry:** Ensures precise chemical measurements for drug development, including purity and content analysis.
- **Laboratory Use:** Used for precise dispensing and measurement of liquids in experiments and formulations, especially in titration processes to dispense accurate volumes of titrants.
- **Wine Industry:** Used to assess raw material quality, monitor fermentation and conduct final quality control.
- **Automotive Industry:** Helps produce biodiesel by measuring and adjusting pH levels.
- **Food & Beverage Industry:** Ensures regulatory compliance and quality control by measuring mineral content and using acid-base titration to control taste, texture and consistency.
- **Cosmetic Industry:** Determines appropriate chemical concentrations for product quality.

### • MICROLIT MINI STIRRER •

The digital, motorless magnetic stirrer is optional and comes with IP65 Compliant Spill-Proof Design, One Touch Power On/Off button, Speed Regulations upto 1500 RPM and a digital LED display. The Product Code is STIR-MI.

# Achieve Remarkably Accurate and Better Results than CLASS-A Glass Burettes

## E-BURETTE Offers 3 Pre-set Speeds for Dispensing

The instrument comes with 3 individually calibrated Pre-set Speeds, including dropwise dispensing.

E-BURETTE Model	Mode	Speed
50 ml	Fast	3.8ml/sec
	Medium	1.3ml/sec
	Dropwise	10 µl/click
25 ml	Fast	2.1ml/sec
	Medium	0.7ml/sec
	Dropwise	10 µl/click
10 ml	Fast	1.2ml/sec
	Medium	0.2ml/sec
	Dropwise	5 µl/click

Note: Microlit E-BURETTE's Control Panel uses rechargeable and replaceable long lasting Li-ion 14.4V ~ 2200 mAh Battery Pack. It complies with the error limits for Class A Glass Burettes in accordance with DIN EN ISO 385 & ASTM D287.

## E-BURETTE Offers Motor Controlled Piston Movement

In conventional Digital Burettes, dispensing is done 'manually' with the help of a rotating wheel, whose speed of rotation is not fixed and varies from user to user. Any abrupt changes in the speed may result in inaccurate and imprecise results.

This E-BURETTE's motor-controlled piston movement, with its 3 pre-set speeds, eliminates the need for manual wheel operation and thereby avoids inconsistencies caused by variations in speed.

## Work with a Modern Accessory Range that Enhances User Experience



### STYLUS

It comes with a sleek hand-held Stylus that assists in performing touch operations on the control panel with ease.



### AMBER COLOURED WINDOW

The instrument's transparent acrylic window can be swapped with an amber coloured window for use with chemicals/reagents that are sensitive to light.



### COMPATIBLE ADAPTORS

The instrument comes with five adaptors that comfortably fit most laboratory reagent bottles. The available sizes are- 28 mm, 32 mm, 38 mm, 40 mm and 45 mm.



### PRINTER INTEGRATION & CONNECTIVITY

E-BURETTE comes with an optional, portable Mini Printer for printing upto 20 readings at once, showing real-time date & time. The Product Code is TI-PR.

\*ISO 8655 is the globally accepted industry standard for piston-operated volumetric apparatus. The evaluation was performed by trained and certified personnel at an ISO17025 accredited lab

The precision and accuracy of our liquid handling instruments is twice better than industry standards.\*

## Assured Quality with ISO 8655 Conformation and GLP Compliance

MICROLIT E-BURETTE conforms to ISO 8655 standards and is GLP compliant. Each model is individually calibrated and supplied with a calibration certificate placed inside the product package. The instrument can also be easily calibrated electronically within a laboratory, without the help of an external calibration tool.

## Award-winning Design and Product Excellence



MICROLIT E-BURETTE reflects the design philosophy of our organization, combining the best performance parameters with the best user experience.

It is recognised by India Design Mark as a product that exhibits Good Design. Additionally, we were honoured by CII Industrial Innovation Awards and adjudged a place in the top 50 Most Innovative Companies of 2022. We are also accredited by a number of global organizations and have earned worldwide credibility.

## OUR VALUED CUSTOMERS

Academia	Pharmaceutical	Hospitals / Medical Colleges	Food & Beverages	Agriculture
Research Institutes	FMCG	Cement	Chemicals	Natural Resources

## SPECIFICATIONS AND ORDERING INFORMATION

Model No.	Capacity (ml)	Increment (ml)	Accuracy		CV	
			±%	±ml	±%	±ml
TI-10	10	0.005	0.10	0.01	0.1	0.01
TI-25	25	0.01	0.07	0.0175	0.05	0.0125
TI-50	50	0.01	0.05	0.025	0.02	0.010

The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with the nominal capacity (or maximum volume) indicated on the instrument. These are obtained by using the instrument with distilled water at equilibrium, the ambient temperature of 20 °C while operating it smoothly and steadily. The error limits are in accordance with DIN EN ISO 8655-3., Microlit E-Burette delivers better accuracy than a Class A Glass burette & well complies with DIN EN ISO 385 & ASTM D287.



## OUR REACH



## YOUR SATISFACTION IS OUR PRIORITY

Established in 1991, Microlit is one of the world's leading manufacturers & exporters of laboratory liquid handling instruments. Our product range includes micropipettes, bottle top dispensers, electronic burette, electronic pipette filling device and other micropipette accessories. With our patented products, innovative technologies & unflinching trust of 8000+ consumers in 95+ countries, we are recognized as a respected & dependable brand in Healthcare and Lifesciences industry. Our offices are located in India (HQ), USA & Brazil. With a research-oriented & customer-centric team of product design engineers, our product design blends the best of functional performance & user experience. Our innovative products have helped us carve a niche in R&D industry while providing our users high level of precision & accuracy in their research work.

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