

MICROLITE E-BURETTE |

Motor Operated Burette with 3 Calibrated Pre-set Speeds



ISO 17025



ISO 9001



UK
ISO 13485

Leverage the Sophistication of Ergonomics and Modern Technology

MICROLIT E-BURETTE is a state-of-the-art Motor Operated Burette with sophisticated features and functionality.

Built by our in-house team of product design engineers, it offers a host of features like Motor Controlled Piston Movement, a touch screen enabled Control Panel with an intuitive graphical user interface (GUI), and 3 Calibrated Pre-Set Speeds to perform highly accurate titrations.

Designed with ergonomics and intuitive handling in mind, MICROLIT E-BURETTE is widely used in industries like Pharmaceutical, Environmental Monitoring and Food & Beverages.

It exhibits excellent chemical compatibility and helps in performing precise titrations with reliability in practical laboratory environments.

Experience the Power of Precision in Your Daily Laboratory Routine



Work Accurately with 3 Calibrated Pre-set Speeds

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



Operate Smoothly with Motor Control

Motor Controlled Piston Movement facilitates correct and comfortable titrations. It eliminates the errors associated with manual wheel controlled piston movement.



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.



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.



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.



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.



- **Choose from Three Unique Capacities**
MICROLIT E-BURETTE is available in three unique capacities - 10 ml, 25 ml and 50 ml.
**Refer to the specifications and ordering information.*

- **Save Results on the Go**
The instrument can store up to 20 results in its memory. It also offers the option to connect to a computer and save the readings on a software for future reference.

- **Micro USB Cable**
The instrument can be connected to a computer with the help of a micro USB cable which is included in the Burette kit.

MICROLIT E-BURETTE's Control Panel uses rechargeable, long lasting and replaceable batteries.

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

1. MICROLIT E-BURETTE Offers 3 Pre-set Speeds for Dispensing

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

Burette Model	Mode	Speed
50 ml	Fast	3.8ml/sec
	Medium	1.3ml/sec
	Dropwise	10 ul/click
25 ml	Fast	2.1ml/sec
	Medium	0.7ml/sec
	Dropwise	10 ul/click
10 ml	Fast	1.2ml/sec
	Medium	0.2ml/sec
	Dropwise	5 ul/click

2. MICROLIT 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.

The Motor Controlled Piston Movement of MICROLIT E-BURETTE, at 3 Pre-set Speeds, rules out the effort invested in manual wheel operation and hence, any inconsistencies arising due to the variations in its speed.

Work with a Modern Accessory Range that Enhances User Experience



Stylus

MICROLIT E-BURETTE 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.



Adapters

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



Telescoping Inlet Tube

A Telescoping Tube, that can be adjusted in length according to a variety of bottle sizes, is provided as an inside-the-box accessory.

*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.

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 25 Most Innovative Companies of 2021.

We are also accredited by a number of global organizations and have earned worldwide credibility.

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	0.05	0.025

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.



OUR REACH



YOUR SATISFACTION IS OUR PRIORITY

Microlit products follow GMP norms and are manufactured under comprehensive QA (Quality Assurance) and QC (Quality Control). However, if you are dissatisfied with the operation of any of our products, get in touch with us or call your nearest Microlit dealer for free replacement.

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