

MICROLIT E-DISPENSER

Electronic Dispenser with Dual Dispensing and
Titration Functionality

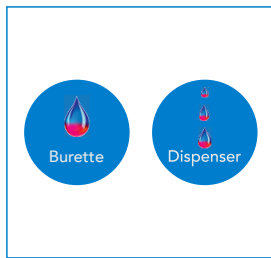


ISO 13485



ISO 17025

Ultimate Solution for Precision Dispensing with Burette Functionality for Titration



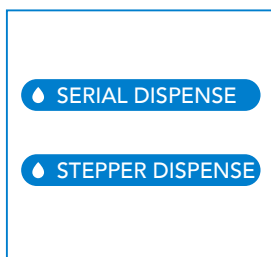
Dual Functionality

Electronic dispenser cum electronic burette performs titration functions with same accuracy and reliability as traditional burettes, with automated enhanced control.



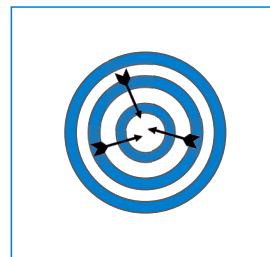
Perform Quick Titrations

Stylus operated user-friendly TFT touchscreen guides quick and accurate titrations and displays numeric data up to the second decimal.



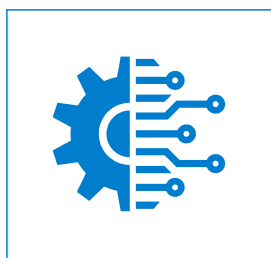
Multiple Dispensing Modes

It offers various dispensing modes, including automatic dispensing, serial mode and stepper modes. Whether you're performing a routine experiment or complex titration, this device adapts to your needs seamlessly.



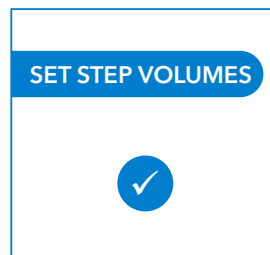
Precision Dispensing

Equipped with a high-precision motor controlled piston, it ensures accurate volume delivery and reproducibility, with tolerance levels that exceed industry standards.



Electronic Controls

Intuitive electronic control system allows users to set and adjust volume with ease. The 4-inch TFT touchscreen interface ensures quick and simple adjustments to meet specific requirements.



Multiple Volume Settings

The E-DISPENSER offers a wide range of volume settings, from microliter to millilitre quantities. Whether you're working with small-scale samples or larger volumes, it delivers precision at every step.



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.



Ergonomic Design

Uniquely designed for ergonomic use and intuitive handling in mind, is widely used in industries like Pharmaceuticals, Environmental Monitoring, Food & Beverages and many more.



Memory Function

E-DISPENSER stores upto 10 programs each for serial and stepper dispensing and allows users to delete individual readings or all at once. In the E-BURETTE one can store upto 20 readings locally.



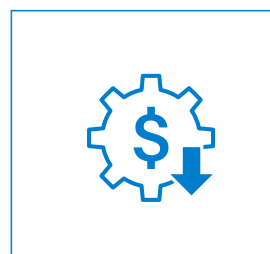
Work Accurately with 3 Calibrated Pre-set Speeds

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



Dispense Easily with Adjustable FlexiNozzle®

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



Low Maintenance and Quick Support

It is designed for low maintenance. Regular cleaning after use is the key to ensuring optimal performance. In addition, Microlit offers comprehensive customer support, including troubleshooting, calibration services, and extended warranty options.

DIVERSE INDUSTRY APPLICATIONS



Analytical Chemistry

Ensures precise liquid handling for titrations, standard solution preparation and reagent dispensing in laboratories.



Pharmaceutical Research & Quality Control

Facilitates accurate formulation of medicines and maintains product integrity, especially for sensitive chemicals.



Food and Beverage Industry

Ensures consistent and accurate ingredient dispensing in labs and quality control settings for product testing.



Environmental Monitoring

Supports precise sample preparation and reagent dispensing for water, air and soil analysis in environmental testing.



Biotechnology & Life Sciences

Assists with dispensing of reagents in assays, PCR reactions and enzyme kinetics for various biotech applications.



Cosmetics and Personal Care

Ensures precise formulation, efficient filling and accurate packaging of cosmetics, while supporting R&D.



Oil and Gas Industry

Used for chemical injection, fuel additive dispensing and proper lubrication of machinery to optimize performance.



Healthcare and Diagnostics

Facilitates accurate medication doses, reagent dispensing for diagnostic tests, ensuring patient safety.



Technical Specifications

Functionality	Electronic Dispenser and Electronic Burette
Capacity	0.005 ml - 50 ml
Password Protection	Available
Modes	Serial Dispensing and Stepper Dispensing
Construction Material	ABS housing, Borosilicate glass, FEP tubes, PTFE piston
Operating Temperature	+10 °C to +40 °C (from 50 °F to 104 °F)
Power Supply	18 V, 3 A
Display	4" TFT touchscreen; Stylus to assist touch screen operations
PC Interface	Mini USB cable
Re-Circulation Mode	Preventing the loss of reagent during purging
FlexiNozzle®	Adjustable delivery nozzle can move both horizontally and vertically
Calibration	Easy user calibration / recalibration
Autoclavable	No
Memory	10 dedicated storage slots; each for serial and stepper dispensing
Languages	English, Spanish, and German

Work with a Modern Accessory Range that Enhances User Experience



HAND-HELD STYLUS

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



AMBER COLOURED WINDOW

The transparent acrylic window can be swapped with an amber coloured window for use with light sensitive reagents.



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-DISPENSER comes with an optional, portable Dot Matrix Mini Printer for printing upto 20 readings at once, showing real-time date & time. This ensures GLP compliance.

*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-DISPENSER conforms to ISO 8655 standards & 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 / re-calibrated electronically within a laboratory, without the help of an external calibration tool.

Award-winning Design and Product Excellence



Microlit has been recognized for its innovation and leadership with several prestigious awards, including the **Japanese Good Design Award**, **CII Industrial Innovation Awards**, and a spot in the **Top 50 Most Innovative Companies of 2022**. This year, we proudly received the **Global Business Leadership Award** from **ET Now Leaders of Tomorrow 2025**, further solidifying our position as a global leader in Healthcare and Life Sciences Industry.

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
ED-10	10	0.005	0.10	0.01	0.1	0.01
ED-25	25	0.01	0.07	0.0175	0.05	0.0125
ED-50	50	0.01	0.05	0.025	0.05	0.025

The product code for Portable Dot Matrix Mini Printer is TI-PR.

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

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 & unfaltering 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.

CONTACT US

Microlit INDIA

629 Pakramau, Kursi Road, Lucknow 226026, India
Phone: +91 9918625629, Email: info@microlit.com
www.microlit.com

Microlit LATAM

Business Place Ibirapuera, 9th Floor, Number 93,
Alameda dos Jurupis 1005 - Moema,
Indianópolis São Paulo, Brasil CEP - 04088-000,
Phone: +55 11 93269-5932, Email: info-latam@microlit.com

Microlit USA

33 Wood Avenue South, Suite 600, Iselin, NJ 08830, USA
Phone: +1 732 321 0852, Email: info-usa@microlit.com
www.microlit.us

Follow us

