

Assured Quality with ISO 8655 Conformed Calibration



MICROLIT ULTIMUS is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards.

A calibration certificate is included inside the product package.

A calibration tool is also included for quick in-lab recalibration.

Award-winning Design and Product Excellence



MICROLIT ULTIMUS 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 2016.

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

SPECIFICATIONS AND ORDERING INFORMATION

Model No.	Vol. Range	Increment	Accuracy		CV ±%	±ml
			±%	±ml		
ULT-2.5	0.25-2.5 ml	0.05 ml	0.6	0.015	0.2	0.005
ULT-5	0.5-5 ml	0.1 ml	0.6	0.030	0.2	0.010
ULT-10	1-10 ml	0.2 ml	0.6	0.060	0.2	0.020
ULT-30	2.5-30 ml	0.5 ml	0.6	0.180	0.2	0.060
ULT-60	5-60 ml	1.0 ml	0.6	0.360	0.2	0.120
ULT-100	10-100 ml	2.0 ml	0.6	0.600	0.2	0.200

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 8655-5.

EXPERIENCE PRECISION



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 a free replacement.

Designed and Manufactured by MICROLIT

629, Pakramau, Kursi Road, Lucknow – 226026, UP, India  
Call at: +91-9919963376, +91-9839014252  
For queries: info@microlit.com  
For feedback: customercare@microlit.com  
www.microlit.com



Bottle Top Dispenser with Dual Inlet™ Technology

MICROLIT ULTIMUS



**We are World Leaders in  
Bottle Top Dispensing Technology**

MICROLIT ULTIMUS is a  
Bottle Top Dispenser (BTD)  
that offers a sophisticated  
blend of features  
and functionality.

Built by our in-house team  
of product design engineers,  
it uses Dual Inlet™, an award-  
winning technology patented  
in India, the EU and the US.

It offers 4 liquid handling modes –  
rinsing, dilution, refilling, purging –  
without dismounting the dispenser.  
MICROLIT ULTIMUS also features  
two product innovations, EasyKnob™  
and FlexiNozzle™ that enhance its  
ease of use and flexibility.

Designed with ergonomics and  
intuitive handling in mind, it exhibits  
excellent chemical compatibility  
and helps achieve precision with  
reliability in practical  
laboratory environments.

**Experience the Power of Precision  
in Your Daily Laboratory Routine**



**Change Volume  
with EasyKnob™**

EasyKnob™ is a  
specially designed  
volume adjustment knob  
that allows 180° rotation  
for easy and effortless  
volume setting.



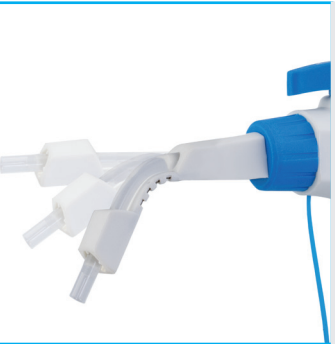
**Move Effortlessly with  
a PTFE Piston**

A PTFE Piston with  
an ETP O-Ring facilitates  
smooth and effortless  
movement and ensures  
high chemical compatibility.



**Forget Dismounting  
with Dual Inlet™**

MICROLIT ULTIMUS is  
equipped with an award-  
winning patented  
technology, Dual Inlet™,  
that enables 4 liquid  
handling modes without  
dismounting the dispenser.



**Dispense Easily with  
FlexiNozzle™**

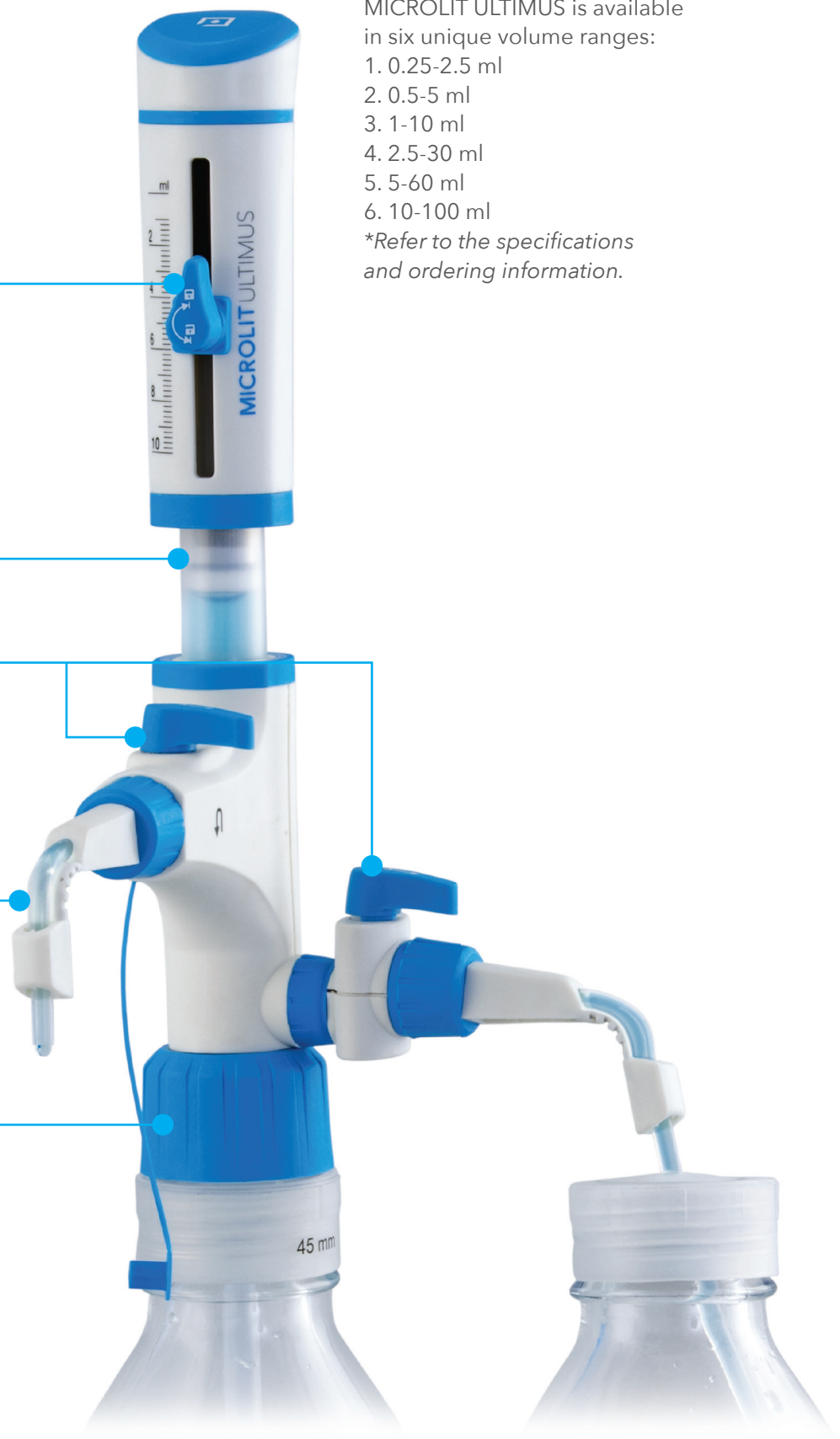
FlexiNozzle™ is an  
adjustable delivery nozzle.  
It offers a high degree of  
flexibility, facilitating easy  
dispensing in demanding  
laboratory conditions.



**Work Flexibly with  
a 360° Adapter**

A specially designed  
Adapter allows 360°  
rotation, facilitating  
complete work flexibility.

- **Autoclaving Parameters**  
MICROLIT ULTIMUS is fully  
autoclavable at 121 °C and  
15 psi for a duration of  
10 – 15 minutes.
- **Work with a Comprehensive  
Volume Range**  
MICROLIT ULTIMUS is available  
in six unique volume ranges:  
1. 0.25-2.5 ml  
2. 0.5-5 ml  
3. 1-10 ml  
4. 2.5-30 ml  
5. 5-60 ml  
6. 10-100 ml  
*\*Refer to the specifications  
and ordering information.*



**Enhance Your Productivity with Four Modes of Operation**



- 1  
Standard Dispensing**  
Knob A - Open  
Knob B - Closed

In this mode, the  
dispenser dispenses  
the liquid normally into  
the receiver from the  
bottle it is mounted on.



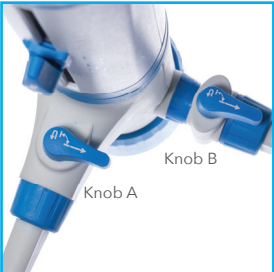
- 2  
Purging**  
Knob A - Closed  
Knob B - Closed

In this mode, the liquid  
is re-circulated into the  
same bottle on which the  
dispenser is mounted.  
This process removes the  
air from the dispenser,  
without wasting  
any reagent.



- 3  
Dilution/Rinsing/Second  
Liquid Dispensing**  
Knob A - Open  
Knob B - Open

In this mode, the liquid  
from a second source  
can be dispensed into  
the receiver. The second  
liquid can be distilled  
water, thus allowing  
the user to rinse the  
instrument without  
dismounting it or dilute  
the reagent within  
the receiver.



- 4  
Bottle Refilling**  
Knob A - Closed  
Knob B - Open

In this mode,  
the liquid from a second  
source can be used  
to refill the bottle,  
without dismounting  
the dispenser.

**Work with a Sophisticated Accessory Range that Enhances Flexibility**



**Adapters**

The instrument comes  
with five adapters that  
comfortably fit most  
laboratory reagent bottles.  
The available sizes are –  
28 mm, 32 mm, 36 mm,  
40 mm and 45 mm.



**Reservoir Covers**

For the second bottle,  
an additional set of four  
reservoir covers are provided  
in the sizes, 32 mm,  
36 mm, 40 mm and 45 mm.



**Extendable Tube**

MICROLIT ULTIMUS  
comes with a  
Telescoping Tube, that  
can be adjusted according  
to a variety of bottle sizes.

*\*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.\*