Ultimus I-II High Precision Dispensers

A higher level of simple, reliable benchtop fluid dispensing control

Ultimus dispensers bring exceptional process control to medical device, electronics, and other critical dispensing processes.

Dispensing adhesive onto medical components with HPx™ tool.

Dispensing flux onto electronic components.

Part #	Description
7017041	Ultimus I dispenser, 0–7.0 bar (0–100 psi)
7012584	Ultimus I dispenser, 0–7.0 bar (0–100 psi) calibrated to EFD specifications based on NIST standards
7002003	Ultimus II dispenser, 0–1.0 bar (0–15 psi)
7012586	Ultimus II dispenser, 0–1.0 bar (0–15 psi) calibrated to EFD specifications based on NIST standards

Featuring simultaneous digital display of all dispenser settings and time adjustment as fine as 0.0001 seconds, Ultimus™ I-II dispensers bring exceptional process control to medical device, electronics, and other critical dispensing processes.

The Ultimus I dispenser has a 0–7.0 bar (0–100 psi) pressure regulator that is suitable for all fluids. The Ultimus II dispenser has 0–1.0 bar (0–15 psi) pressure regulator that provides greater control when dispensing thin fluids.

Both units feature constant-bleed air pressure regulation, which makes adjusting the pressure setting more intuitive. Highly accurate regulation of air pressure makes the Ultimus I-II reliable and easy to use.

Features

- All-digital, multi-function display
- 16 memory settings
- 4-decimal time setting
- Operator lockout of time setting
- Multilingual display options
- Universal power supply

Benefits

- Digital display of all dispensing parameters for better process control
- Save up to 16 dispensing programs to easily transition from one type of application to the next
- Time setting adjustments ≥0.0001 for a higher level of precision
- Operator lockout to help maintain a consistent process
- Universal power supply and multiple language display options for worldwide use and support

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Specifications

Item	Specification
Cabinet size	14.3W x 18.1H x 17.3D cm (5.63W x 7.12H x 6.82D")
Weight	2.3 kg (5.0 lb)
Power adapter	AC input: 100–240 VAC (+/-10%), ~50/60Hz, 0.6A DC output: 24 VDC @ 1.04A
Cycle rate	Exceeds 600 cycles per minute
Time range	0.0001–999.9999 s
End-of-cycle feedback circuits	5-24 VDC, 100 mA maximum
Cycle initiate	Foot pedal, finger switch, or 5–24 VDC signal
Input air pressure	5.5–7.0 bar (80–100 psi)
Air output	Ultimus I: 0–7.0 bar (0–100 psi) Ultimus II: 0–1.0 bar (0–15 psi)
Pressure readout accuracy	Ultimus I: ±0.1 bar (±2.0 psi) Ultimus II: ±0.2 bar (±0.3 psi)
Approvals	CE, UKCA, TUV, RoHS, WEEE, China RoHS
Warranty	5 year, no-fault (Americas and Europe) 2 year, no-fault (Asia)

Request a Process Evaluation

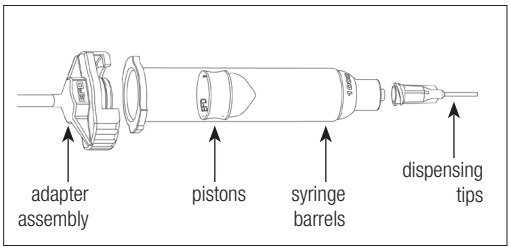
Contact Nordson EFD to configure a precision dispense system that meets your specific needs, with:

- A complimentary process evaluation by experienced fluid dispensing experts.
- Samples processed for customer evaluation and approval prior to purchase.

Don't Forget to Order Your Components

EFD Optimum® components are designed to work with your dispenser as part of a complete, integrated system that produces the most accurate, repeatable deposits possible.

- Adapter assembly
- Syringe barrels
- SmoothFlow™ pistons
- Dispensing tips
- Tip caps and end caps



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