Ultimus I-II High Precision Dispensers
A higher level of simple, reliable benchtop fluid dispensing control

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 0-100 psi (0-7 bar) pressure regulator that is suitable for all fluids. The Ultimus II dispenser has 0-15 psi (0-1 bar) 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

Part # Description
7017041 Ultimus I dispenser, 0-100 psi (0-7 bar)
7012584 Ultimus I dispenser, 0-100 psi (0-7 bar) calibrated to EFD specifications based on NIST standards
7002003 Ultimus II dispenser, 0-15 psi (0-1 bar)
7012586 Ultimus II dispenser, 0-15 psi (0-1 bar) calibrated to EFD specifications based on NIST standards

Dispensing adhesive onto medical components with HPx™ tool.
Dispensing flux onto electronic components.
Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Cabinet size</td>
<td>14.3W x 18.1H x 17.3D cm (5.63W x 7.12H x 6.82D&quot;)</td>
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<tr>
<td>Weight</td>
<td>2.3 kg (5.0 lb)</td>
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<tr>
<td>Power adapter</td>
<td>AC input: 100–240 VAC (+/-10%), ~50/60Hz, 0.6A DC output: 24 VDC @ 1.04A</td>
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<tr>
<td>End-of-cycle feedback circuits</td>
<td>5–24 VDC; 100mA maximum</td>
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<tr>
<td>Initiate circuits</td>
<td>Foot pedal, finger switch, or 5–24 VDC signal</td>
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<tr>
<td>Cycle rate</td>
<td>Exceeds 600 cycles per minute</td>
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<tr>
<td>Time</td>
<td>Range: Programmable from 0.0001–999.9999 seconds Accuracy: Within ±0.05% of the selected time setting Repeatability: Less than 16 μsec at any time setting</td>
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| Pressure readout accuracy | Ultimus I: ±2.0 psi, 0–7.0 bar (0–100 psi) 
                       | Ultimus II: ±0.3 psi, 0–1.0 bar (0–15 psi) |
| Vacuum readout accuracy | ±2.0 in H2O, 0–18 in H2O          |
| Ambient operating conditions | Temperature: 5–45° C (41–113° F) 
                       | Humidity: 85% RH at 30° C non-condensing Height above sea level: 2000 m maximum (6,562 ft) |
| Approvals               | CE, RoHS, WEEE, UL, and China RoHS compliant |

Note: Specifications and technical details are subject to engineering change without prior notification.

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

For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

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