

HIGH PRECISION DISPENSERS

Ultimus™ I, II and III



Features and Benefits

- All-digital, multi-function display
- 16 memory settings
- 4-decimal time setting
- Multilingual display
- Operator security lockout
- High-speed solenoid for highly accurate deposits
- Universal power supply

Specifications

Cabinet size: 14.3W x 18.1H x 17.3D cm
(5.63"W x 7.12"H x 6.82"D)

Weight: 2.3 kg (5.0 lb)

Cycle rate: Exceeds 600 cycles per minute

Time range: 0.0001 to 999.9999 seconds

Input AC

(to power supply): Universal Multi Voltage
100-240 VAC, 50/60Hz

Output DC

(from power supply): 24 VDC, 0.83

End-of-cycle feedback circuits:

5 to 24 VDC, 100 mA maximum

Initiate circuits: Foot pedal, finger switch or 5 to 24 VDC signal

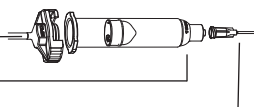
Approvals: CE, CSA, RoHS, WEEE & China RoHS Compliant

Warranty: 10 year, no-fault

Featuring simultaneous digital display of all dispenser settings and time adjustment as fine as .0001 seconds, Ultimus dispensers bring exceptional process control to medical device, electronics and other critical dispensing processes.

Each dispenser kit includes:

- (1) adapter assembly
- (2) boxes of syringe barrels/pistons
- (2) boxes of dispensing tips
- (1) box of tip caps
- omnidirectional foot pedal
- cabinet-mounted barrel holder



7017041 (2400) Ultimus I: Features a 0-100 psi (0-7 bar) pressure regulator that handles all fluids.

7002003 (2415) Ultimus II: Has a 0-15 psi (0-1 bar) regulator that provides greater control when dispensing thin fluids.

7017068 (2405) Ultimus III: Uses a 0-5 psi (0-0.35 bar) regulator for dispensing micro-deposits of solvents and other very thin fluids.



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Ultimus IV Series



Positive displacement dispensers are ideal for applying uniform amounts of 2-part epoxies and other fluids that change viscosity over time. Compressed air is not required—instead, these electrically operated units use stepper motors and patented technology to advance and retract a piston inside the syringe barrel. They will produce accurate, repeatable deposits, regardless of changes in fluid viscosity or temperature.

Features and Benefits

- Highly repeatable, precise fluid control
- Non-pneumatic, shop air not required
- All-electric, multi-function display
- Programmable pullback stops drooling
- 100 user-defined memory cells

Specifications

Cabinet size: 18.4W x 8.1H x 32.3D cm
(7.25"W x 3.18"H x 12.73"D)

Weight: 3.7 kg (8.2 lb)

Cable assembly: 1.8 m (6 ft)

AC input voltage: 100-240 VAC

AC input frequency: 50/60Hz

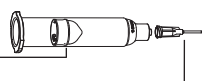
Initiate circuits: 5 to 24 VDC, 100 mA maximum

Initiate circuits: Foot pedal, cycle start button
or 5 to 24 VDC signal

Approvals: CE, RoHS, WEEE & China RoHS Compliant

Warranty: 2 years, no fault

Each dispenser kit includes:
(2) boxes of syringe barrels/red pistons
(2) boxes of dispensing tips
(2) boxes of tip caps
foot pedal
cabinet-mounted barrel holder



7017178 (2800-3): For 3cc syringe barrels

7017181 (2800-5): For 5cc syringe barrels

7017177 (2800-10): For 10cc syringe barrels

7017179 (2800-30): For 30cc syringe barrels

ULTIMUS MODELS AND FEATURES

FEATURES	Dispense Time Display	Air Pressure Display	Adjustability			Modes of Operation				Time Range	Air Pressure Range			Input/Output	Universal Voltage	Warranty (Years)	
MODELS	Digital	Digital	Time	Air	Vac	Steady	Timed	Volumetric	Teach	0-999.9 sec.	0-100 psi (0-7 bar)	0-15 psi (0-1 bar)	0-5 psi (0-0.35 bar)	5-24 VDC Signal	100-240 VAC 50/60Hz	2	10
Ultimus I	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓			✓	✓		✓
Ultimus II	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓	✓		✓
Ultimus III	✓	✓	✓	✓	✓	✓	✓		✓	✓			✓	✓	✓		✓
Ultimus IV						✓		✓						✓	✓	✓	

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Dispenser Accessories



PART #	ACCESSORY	DESCRIPTION	ULTIMUS I-III	ULTIMUS IV
7017105	Flex arm syringe barrel holder	Mounts to dispenser cabinet; can be adjusted to multiple positions	✓	
7017113	Stiff arm syringe barrel holder	Mounts to dispenser cabinet and holds barrel in fixed position	✓	
7017131	Finger switch	Ergonomic hand grip with built-in touch sensor and high beam penlight	✓	
7017133	Barrel hand grip	Hand grip only without finger switch		
7016718	Finger switch	Low voltage, push button finger switch controls dispense cycle		
7017089	Finger switch		✓	
7017288	Syringe barrel production stand	Provides full-barrel swivel, horizontal and vertical adjustment. Accepts all EFD barrels.		✓
7021053	Syringe barrel production stand		✓	
7017122	Workstation lamp	Mounts on flex arm and provides targeted lighting on work area	✓	
7017119	Safety shield	Provides splash protection	✓	✓
7017185	Safety shield	Accessory mount (1 required for use with Ultimius IV)		✓
7017138	Production extension shelf	Provides flat work surface for other tools or dispenser stacking	✓	
7017135	Magnifying lens	1.7x magnification mounts on flex arm	✓	
7017185	Magnifying lens	Accessory mount (required for use with Ultimius IV)		✓
7017143	8-pin I/O connector assembly	Allows easy connection to dispenser for external control	✓	✓
7017049	Cleanroom filter muffler	Filters output air to meet Fed 209-B (0.5 micron particulates)	✓	
7017167	Vacuum pickup pen system	Vacuum generator and pen system for picking and placing small parts	✓	

PART #	ACCESSORY	DESCRIPTION
7013229	Dispensing tip sampler kit	Includes a selection of various types and styles of dispensing tips, pistons, tip and end caps—158 pieces
7022455	VacTweezer™ pickup tool	Useful, low cost pick-and-place tool with staticide treated kit. Includes (7) tips, (5) pad sizes
7002002	Five-micron filter regulator	Provides proper air filtering for all dispensers. Order if you do not have a clean, dry, filtered factory air supply.
7016548	Five-micron filter regulator with coalescing filter	Five-micron filter regulator with coalescing filter Recommended for systems dispensing cyanoacrylates Removes liquid aerosols from air supply
7021515	Coalescing filter assembly only	
7016540	Filter element replacement kit	

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For Nordson EFD sales and service in over 30 countries, contact Nordson EFD or go to www.nordsonefd.com

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