

Specifications

These manufacturer's specifications should be used as guidelines when establishing your own performance specification.

| EDP3-Plus Specifications | | | | | | |
|--------------------------|---------|-----------|----------|-------------------|-----------|--------------------|
| Model | Volume | Increment | Accuracy | | Precision | |
| | μ l | | % | μ l (\pm) | % | μ l (\leq) |
| 10 μ l | 1 | 0.01 | 2.5 | 0.025 | 1.2 | 0.012 |
| | 5 | | 1.5 | 0.075 | 0.6 | 0.03 |
| | 10 | | 1.0 | 0.1 | 0.4 | 0.04 |
| 20 μ l | 2 | 0.02 | 7.5 | 0.15 | 2.0 | 0.04 |
| | 10 | | 1.5 | 0.15 | 0.5 | 0.05 |
| | 20 | | 1.0 | 0.2 | 0.3 | 0.06 |
| 100 μ l | 10 | 0.1 | 3.5 | 0.35 | 1.0 | 0.1 |
| | 50 | | 0.8 | 0.4 | 0.24 | 0.12 |
| | 100 | | 0.8 | 0.8 | 0.15 | 0.15 |
| 200 μ l | 20 | 0.2 | 2.5 | 0.5 | 1.0 | 0.2 |
| | 100 | | 0.8 | 0.8 | 0.25 | 0.25 |
| | 200 | | 0.8 | 1.6 | 0.15 | 0.3 |
| 300 μ l | 30 | 0.5 | 2.5 | 0.75 | 1.0 | 0.3 |
| | 150 | | 0.8 | 1.2 | 0.25 | 0.375 |
| | 300 | | 0.8 | 2.4 | 0.15 | 0.45 |
| 1000 μ l | 100 | 1.0 | 3.0 | 3.0 | 0.6 | 0.6 |
| | 500 | | 0.8 | 4.0 | 0.2 | 1.0 |
| | 1000 | | 0.8 | 8.0 | 0.15 | 1.5 |
| 2000 μ l | 200 | 2.0 | 3.0 | 6.0 | 0.6 | 1.2 |
| | 1000 | | 0.8 | 8.0 | 0.2 | 2.0 |
| | 2000 | | 0.8 | 16.0 | 0.12 | 2.4 |
| 5000 μ l | 500 | 5.0 | 2.4 | 12.0 | 0.6 | 3.0 |
| | 2500 | | 0.6 | 15.0 | 0.2 | 5.0 |
| | 5000 | | 0.6 | 30.0 | 0.16 | 8.0 |
| 10 ml | 1 ml | 10.0 | 5.0 | 50.0 | 0.6 | 6.0 |
| | 5 ml | | 1.0 | 50.0 | 0.2 | 10.0 |
| | 10 ml | | 0.6 | 60.0 | 0.16 | 16.0 |
| 20 ml | 2 ml | 20.0 | 5.0 | 100.0 | 0.60 | 12.0 |
| | 10 ml | | 1.0 | 100.0 | 0.20 | 20.0 |
| | 20 ml | | 0.6 | 120.0 | 0.16 | 32.0 |

Specifications are subject to change without notice.

Electrical specifications

This device is intended for use only with the power sources with RAININ part numbers listed below. No other power sources may be used with this device.

Wall Power Supply Input: P/N E3-WPS 120VAC 60 Hz
P/N E3-WPSUNI 100-240VAC 50-60 Hz

Wall Power Supply Output: All P/Ns 5.5VDC 1.04 A Regulated Nominal
Battery P/N 6107-040 Li-Ion 3.6 VDC Nominal
400mAh Nominal

Explanation of symbols: A - Ampere, Hz - Hertz, mAh - Milliamp Hour,
VAC - Volts Alternating Current, VDC - Volts Direct Current

Note: Unique tips for 1200 µL models

The RT-L1200 and RT-L1200S tips are specifically designed for use with 1200 µL models in MULTIDISPENSE mode. The unique design of these tips prevents drop formation and eliminates the need for touch-off between dispenses in MULTIDISPENSE mode.

The RT-L1200F aerosol-resistant tip allows a full 1200 µL to be aspirated under the filter. However, fluid dynamics dictate that touch-off may be required when multidispensing.

Specifications

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| Model | Volume µL | Increment µL | Accuracy | | Precision | |
|---|--------------|-----------------|----------|--------|-----------|--------|
| | | | % | µL (±) | % | µL (≤) |
| E8-10, E12-10 (range 0.5-10 µL) | 1 | 0.01 | 2.5 | 0.025 | 1.2 | 0.012 |
| | 5 | | 1.5 | 0.075 | 0.6 | 0.03 |
| | 10 | | 1.0 | 0.10 | 0.4 | 0.04 |
| E8-20, E12-20 E2X8-20, E24-20 (range 2-20 µL) | 2 | 0.02 | 7.5 | 0.15 | 2.0 | 0.04 |
| | 10 | | 1.5 | 0.15 | 0.5 | 0.05 |
| | 20 | | 1.0 | 0.20 | 0.3 | 0.06 |
| E8-50, E12-50 (range 5-50 µL) | 5 | 0.05 | 3.5 | 0.18 | 1.5 | 0.075 |
| | 25 | | 1.2 | 0.30 | 0.4 | 0.1 |
| | 50 | | 0.8 | 0.40 | 0.2 | 0.1 |
| E2X8-100, E24-100 (range 10-100 µL) | 10 | 0.1 | 3.5 | 0.35 | 1.0 | 0.1 |
| | 50 | | 0.8 | 0.4 | 0.24 | 0.12 |
| | 100 | | 0.8 | 0.8 | 0.15 | 0.15 |
| E8-200, E12-200 (range 20-200 µL) | 20 | 0.2 | 2.5 | 0.5 | 1.0 | 0.2 |
| | 100 | | 0.8 | 0.8 | 0.25 | 0.25 |
| | 200 | | 0.8 | 1.6 | 0.15 | 0.3 |
| E8-300, E12-300 (range 20-300 µL) | 30 | 0.2 | 2.5 | 0.75 | 1.0 | 0.3 |
| | 150 | | 0.8 | 1.2 | 0.25 | 0.375 |
| | 300 | | 0.8 | 2.4 | 0.15 | 0.45 |
| E8-1200, E12-1200 (range 100-1200 µL) | 100 | 1.0 | 3.6 | 3.6 | 0.60 | 0.60 |
| | 600 | | 0.8 | 4.8 | 0.20 | 1.20 |
| | 1200 | | 0.8 | 9.6 | 0.15 | 1.80 |

(Specifications subject to change without notice)

Service

If you experience any problems with your multichannel EDP3 pipette contact RAININ Technical Support at 800-543-4030.