About DYNEX Technologies

DYNEX is a worldwide manufacturer of microplate instrumentation, seamlessly integrating advanced detection with fully-automated sample handling, consumables and accessories. The DYNEX systems have a proven track record of high-quality products, excellent service and support.

Ordering Information

<table>
<thead>
<tr>
<th>Product #</th>
<th>Instrument</th>
</tr>
</thead>
<tbody>
<tr>
<td>67000</td>
<td>Agility System</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Product #</th>
<th>Consumables</th>
</tr>
</thead>
<tbody>
<tr>
<td>62910</td>
<td>Deep-well strips (250/box)</td>
</tr>
<tr>
<td>65950</td>
<td>Reagent tubes, 25 ml. (24/pack)</td>
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<tr>
<td>67920</td>
<td>Reagent tips (490/pack)</td>
</tr>
<tr>
<td>67910</td>
<td>Sample tips (896/pack)</td>
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<tr>
<td>65940</td>
<td>Control vials with caps (33/pack)</td>
</tr>
<tr>
<td>67960</td>
<td>Bronze kit troughs (50/pack)</td>
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<tr>
<td>67930</td>
<td>Dilution strip holder + barcode</td>
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<tr>
<td>67940</td>
<td>Mixing well strip holder + barcode</td>
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<tr>
<td>67951</td>
<td>Mixing well strips; blue (125/box)</td>
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<tr>
<td>24902350</td>
<td>Bronze kit insert</td>
</tr>
<tr>
<td>53000180</td>
<td>Barcode labels</td>
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### Physical Specifications

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Metric</th>
<th>Non Metric</th>
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<tbody>
<tr>
<td>Width</td>
<td>125 cm</td>
<td>50 in</td>
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<tr>
<td>Depth</td>
<td>90 cm</td>
<td>36 in</td>
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<tr>
<td>Height</td>
<td>123 cm</td>
<td>49 in</td>
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<td>Footprint</td>
<td>1.16 sq m</td>
<td>12.5 sq ft</td>
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<tr>
<td>Bench Weight</td>
<td>213 kg (max.)</td>
<td>469 lbs (max.)</td>
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<td>Ship Weight</td>
<td>296 kg (max.)</td>
<td>650 lbs (max.)</td>
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<tr>
<td>Noise</td>
<td>Noise output &lt; 70 dB</td>
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</table>

### Power Supply Requirements

- **Voltage:** 100 – 240 V automatic switching
- **Frequency:** 50/60 Hz
- **Power Consumption:** Typically 400 VA (online UPS required)

### System Specifications

- **Number of Plates:** 12 (additional continuous load capability)
- **Sample Capacity:** 200 (additional continuous load capability)
- **Continuous Sample Loading:** Yes
- **Sample Tube Size:** 10 mm – 17 mm diameter
- **Sample Tube Size:** 45 mm – 100 mm height
- **Number of Reagents:** Up to 16 different SmartKit® reagent packs simultaneously (additional packs can be added using continuous load capability)
- **Number of Standard/Control Bottles:** Included in each SmartKit reagent pack
- **Dilution Wells Capacity:** Up to 384 deep-well strips (48 x 8)
- **Sample Tip Capacity:** Up to 2,240 (20 x 112 with additional continuous load capability)
- **Reagent Tip Capacity:** Up to 98 tips (additional continuous load capability)

### Reader Specifications

- **Photometric Range:** 0.000 – 3.500 OD
- **Spectral Range:** 405 nm – 690 nm
- **Filter Slots:** 6 wavelength
- **Precision:** ± 0.010 OD at 0.000 – 0.500 OD
- **< 1% CV at 0.501 – 2.000 OD**
- **< 1.5% CV at 2.001 – 2.500 OD**
- **Accuracy:** ± 0.01 or 2.5% (0.000 – 3.000 OD) whichever is greater
- **Read Time:** < 30 seconds, single wavelength
- **< 50 seconds, dual wavelength**

### Washer Specifications

- **Manifold Configuration:** 8-way wash head
- **Programmable Volumes:** 50 µL – 999 µL
- **Wash Buffer Capacity:** 4 wash bottles at 3.0 L, with quantitative level-sensing
- **Residual Wash Volume:** < 3 µL per well with dual-axis sweep in a flat-bottom well
- **Dispense Precision:** ≤ 5% CV (with 300 µL in a 96 well plate)
- **Waste Container:** 10 L with quantitative level-sensing

### Incubator Specifications

- **Number of Incubators:** 12 (6 ambient/6 elevated)
- **Temperature Range:** RT + 4° C to 45° C (elevated incubator)
- **RT + 4° C (ambient incubator)**
- **Temperature Accuracy:** ± 1° C
- **Shaking:** 14 Hz periodic or continuous
- **Temperature Monitoring:** Yes

### Reagent Pipetting Specifications

- **Reagent Tip Size:** 1,200 µL
- **Reagent Pipetting Volume:** 20 µL – 1,200 µL
- **Reagent Pipetting Precision:** ≤ 3% CV at 10 shots at any volume in operating range
- **Reagent Pipetting Accuracy:** ± 2% of target volume (single-shot mode)

### Sample Pipetting Specifications

- **Sample Tip Size:** 300 µL
- **Sample Pipetting Volume:** 10 µL – 300 µL
- **Sample Pipetting Precision:** ≤ 3% CV (at any operating volume above 10 µL)
- **Time to Dispense:** 11 minutes (typical) 50 µL of 96 samples to plate from sample tubes or deep-well plates
- **Sample Pipetting Accuracy:** ± 2% of target volume
- **Dilution Range:** 1 part in 199 one-stage dilution
  1 part in 39,601 two-stage dilution

### Process Security

- **Liquid Level Sensing:** Yes (reagents, controls and samples)
- **Level Sensor System:** Pressure differential
- **Clot Detection:** Yes
- **Dispense Anomaly Detection:** Yes
- **Tip Detection:** Yes
- **Electronic Signature Pipetting:** Yes
- **Alarms:** Yes

### Software

- **Controlling Software:** Agility software
- **Work Protocols (Assays):** Unlimited
- **Data Processing:** Quantitative and qualitative
- **Levey-Jennings:** Yes
- **Westgard Rules:** Yes
- **Process Reporting:** Event log + error log
- **Automatic Error Recovery:** Yes
- **Password Access Control:** Yes

**Attributes and specifications subject to change without notice.**

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