HLD117IX
High Precision Stage with Linear Motor Technology for Olympus IX3 Microscopes

Prior’s newest stage technology, the HLD117IX stage with Linear Motor Technology brings a new level to precision in microscope automation.

Features of the HLD117IX include:
• Superior repeatability - 0.15µm*
• Faster scanning speeds up to 300mm/sec
• Low profile
• Ultra quiet operation
• Super smooth movements
• Integrates with cellSens software
• Range of standard sample holders*
• Flat top design
• Integrated 50 nanometer encoders standard
• Compatible with Prior NanoScan Piezo Z stages
• Fixed stage cable eliminates cable drag improving performance

*For a complete list of Prior sample holders please see the Prior Scientific price list.

General Specifications
• Travel range: 121 mm x 81 mm
• XY repeatability: 0.15µm*
• Minimum step size (resolution): 0.05 µm
• Metric accuracy (per mm of travel): 0.045 µm**
• Minimum velocity: 1 micron/second
• Maximum velocity: 300 mm/second
• Squareness: 20 arc/second**

*Mean value
**Based on performance with IST enabled and measured over full travel of the stage.
HLD117IX Stage
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HLD117IX Stage With Linear Stage Technology Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>IX3LDXY</td>
<td>ProScan linear motor XY stage kit including ProScan III LD controller, HLD117IX linear stage, PS3J100 joystick and H473XR universal specimen holder for slide/petri dishes</td>
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<tr>
<td>HLD31XYZ</td>
<td>ProScan III LD linear motor controller</td>
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<tr>
<td>HLD117IX</td>
<td>Prior linear motor stage for Olympus IX3 microscope</td>
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<td>PS3J100</td>
<td>Interactive Control Center Joystick</td>
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