Liteguide Controllers
AE550/AE560

Compact, with a full range of functions! Separated monitor version available!

AE550 Integrated monitor
AE560 Separated monitor

* Main unit separate from the monitor

NIRECO and the NIRECO logo are trademarks or registered trademarks of Nireco Corporation in Japan. The details contained in this catalog are subject to change without notice. Please contact us at the following address when considering a purchase.

Hachioji Office
2951-4 Hachioji-machi, Hachioji, Tokyo, 192-8522, Japan
Website: http://www.nireco.com E-mail: world@nireco.co.jp

NIRECO CORPORATION
Printed in Japan
System components

Liteguide Controllers AE550/AE560

The display unit and the operating unit feature a color touch-screen panel, for enhanced visibility and ease of use. In addition, increasing the input circuits enables CPC control and increases the choice of sensor options.

Linear/Rotary actuators

Motor, speed-reduction gear and ball screw are integrated (excluding rotary models).

<table>
<thead>
<tr>
<th>Model</th>
<th>Thrust (kN)</th>
<th>Stroke (mm)</th>
<th>Speed (mm/s)</th>
<th>Mass (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K50-150-20</td>
<td>1.5</td>
<td>135</td>
<td>20 (*1)</td>
<td>6</td>
</tr>
<tr>
<td>K50-200-20</td>
<td>185</td>
<td>6.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K50-150-20A</td>
<td>135</td>
<td></td>
<td>6.5</td>
<td></td>
</tr>
<tr>
<td>K50-200-20A</td>
<td>185</td>
<td></td>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>

(*) Values shown are when unloaded. A: With centering function

Basic Configuration

Controller

AE550 Integrated monitor

Sensor

Detects and memorizes lines, edges, patterns and text (will depend on the type of sensor). Recognizes subtle degrees of web meandering.

DPC Design Position Control System

Nireco Intelligent Camera NIC100

Nireco Intelligent Panel NIP100

Linear/Rotary actuators

K50 series

K12 series

Motor, speed-reduction gear and ball screw are integrated (excluding rotary models).

Actuator

Linear/Rotary actuators

K50 series

K12 series

Limit switches

Input

Voltage input for analog shift

Max. 0 to 5 V

Contact inputs

Voltage input for analog shift

Max. 0 to 5 V

Photo-coupler 15 V DC, 14 mA

3 points for operation mode switching

- Auto mode
- Manual mode
- Centering mode

Contact points for operation: manual operation left (for shifting when in automatic mode).

- Auto balance
- LVH500 search

4 points for the actuators

- End limit right (* 24 V DC, 4 mA)
- End limit left
- Lock
- Interlock

5 point for system switching

- System switching (EPC/EPC2)

Output

Power supply for shift

5 V DC

Analog voltage output

(For the deviation indicator) +10 V (Max.)

4 points for alarms

- Actuator lock
- Actuator end
- Excess deviation
- Main panel (Error/normal)