Strip Guide Amplifier

The Strip Guide Amplifier is a high-performance, microprocessor-equipped EPC/CPC amplifier. It offers advanced EPC/CPC controls such as stagger winding and cascading control which are unavailable from conventional analog amplifiers.

Specifications:
- High-performance EPC/CPC amplifier
- Now more compact and lightweight
- Connected sensor: Capacitance Autowide, Linear sensor, LED-type Autowide
- No. of optical sensors: Two system
- Display: LCD display (rated for five years of continuous lighting)
- Operation: Push buttons on the control panel (common buttons for parameter setting and mode setting)
- Input signals: Sensor signal, voltage, current, PSD, Position transmitter signal 0 ~ 2 kW, linear probe signal 4 ~ 20mADC, Line speed 10VDC or 4 ~ 20mADC, PLG signal, Photo coupler input 24VDC/7mA, 10kHz (max)
- Control output: 250 mA (load 20W)
- Analog output: Shift volume 5VDC (load at least 1kW), Cylinder position 5VDC (load at least 1kW), Strip deviation 5VDC (load at least 1kW)
- Warnings: System healthy, lamp failure, roll out, no strip, large deviation, oil pressure low, oil temperature high, oil level low, open collector output 24VDC/100mA (max)
- Other: Data storage function (RS-232C connection), AC85V – AC264V 50/60 Hz
- Power supply: AC85V ~ AC264V 50/60 Hz
- Power consumption: 100VA
- Operating temperature range: 0 ~ 40°C
- Weight: 5kg

Inquiries to:
NIRECO CORPORATION
Kyobashi Office
2F Asako Kyobashi Bldg., 6-13 Kyobashi 1-chome, Chuo-ku, Tokyo, Japan 104-0031
Tel: +81-3-3562-2201 Fax: +81-3-3564-4216
Hachioji Office
2951-4 Ishikawa cho, Hachioji, Tokyo, Japan 192-8522
Tel: +81-42-660-7358 Fax: +81-42-645-7737
http://www.nireco.com

February 2011 100TP Printed in Japan
The Strip Guide Amplifier is a high-performance, microprocessor-equipped EPC/CPC amplifier. It offers advanced EPC/CPC controls such as stagger winding and cascading which are unavailable from conventional analog amplifiers. Also, this product is one-ninth the volume and one-fourth the weight of previous products. Finding the installation space is no longer an issue.

**Features**

1. The LCD screen makes it easy to check setting values and output signal status.
2. All operations use the push buttons on the control panel for parameter settings.
3. Control is possible by P, I or PI action.
4. A line speed signal input enables automatic adjustment of control gain to compensate for changes in line speed. PLG signal input enables stagger winding.
5. Sensor signals can be taken from up to two sensor systems, enabling cascading control operation.

**Configuration**

Sensor signals can be stored in the internal ring buffer for use in responding swiftly to problems.

**Related devices**

Capacitance Autowide sensor

Linear sensor

Position transmitter

Servojet

Powerguide

**Application examples**

EPC

CPC

CPC / EPC