

High-performance EPC/CPC amplifier

Strip Guide Amplifier

SGA3000

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.

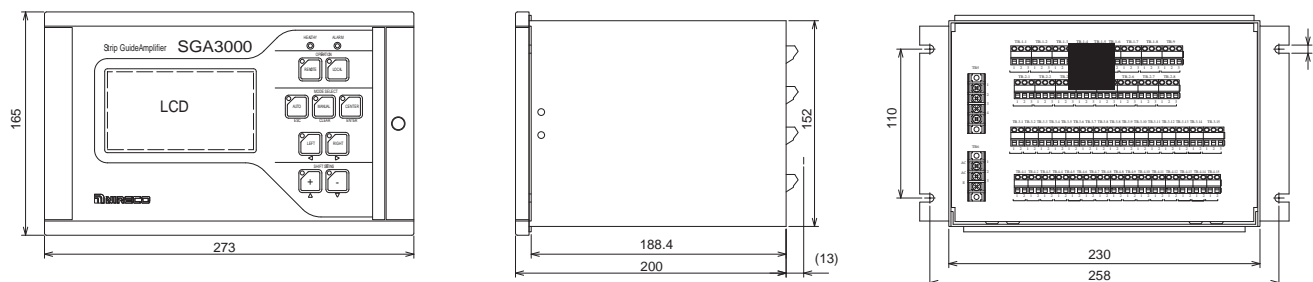
Now more compact and lightweight



Specification

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)
Power supply	AC85V ~ AC264V 50/60 Hz
Power consumption	100VA
Operating temperature range	0 ~ 40°C
Weight	5kg

External dimensions



Strip Guide Amplifer SGA3000

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.

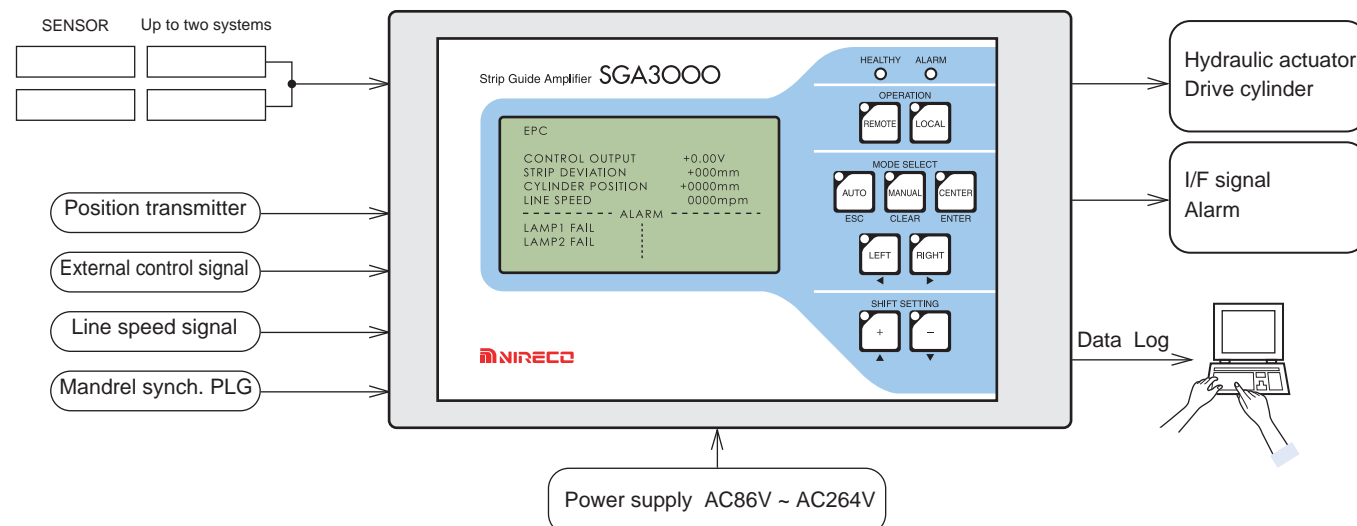
3 Control is possible by P, I or PI action.

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.

option
Control signals and output values can be stored in the internal ring buffer for use in responding swiftly to problems.

Configuration



Related devices



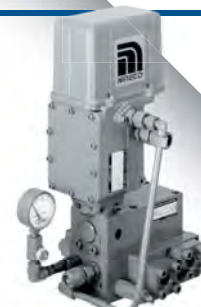
Capacitance Autowide sensor



Linear sensor



Position transmitter



Servojet



Powerguide

Application examples

