# Servo-Technique

**Electronics** 

# EMG

# SPC<sub>16</sub>

### **Strip Position Controller**

Data Sheet

Phone: Telefax: Internet: E-Mail:

EMG Elektro Mechanik GmbH Industriestraße 1 57482 Wenden / Germany +49 (0) 27 62 / 6 12-0 +49 (0) 27 62 / 6 12-3 84 www.emg-automation.com servo@emg-automation.com

elexis Group

Function:	Strip Position Controller
Mechanical design:	19" insert card housing(C / 54TE)
Connection:	Terminal strip
Weight:	approx. 3.0 kg

## **Application**

Suitable for all EMG strip position sensing devices.

The large number of assignment possibilities allows various control alternatives.

The control functions are programmed using the EMG CAD system and documented. The programme is downloaded to the CPU using a PC, where it is saved in zero-stable mode.

#### **View**



#### Structure

#### The basic version comprises:

• C / 54TE 19" insert card accommodation with integral power pack

#### TEA16 operating, parameterising and display unit, including:

- 4-line LCD display
- numerical keyboard
- 8 digital inputs (24 V DC / with potential bound to SPC 16)
- 6 digital outputs (no-volt relay contacts with common root)

#### MCU 16 central processing unit, including:

- 16 bit µ processor
- RS 232 PC interface
- · CANbus for communication with peripherals
- 5 analog inputs

#### SEV16 power amplifier output of analog signals programmable:

0 ... ± 300 mA for activating EMG servo valves

0 ... ± 10 V (I max. : 250 mA)
0 ... ± 22 V (I max. : 250 mA)



#### The basic version may be extended by the addition of two further subassemblies:

- insert card for Profibus-DP signal exchange PDP01.1 (EMG is the slave)
- digital input / output subassembly for extended signal exchange
- analog input subassemblies for reading in special reference/ actual values
- analog output subassemblies for the output of reference values of for the display of control values
- insert card for reading of digital position transducers with SSI interface.

#### **Test capability (optional extra)**

Using the additional software package "Online Test", the status of the inputs and outputs and of the process variables can be displayed on a PC.

Type code	<u>SPC</u>	<u>16</u>	<u>0001</u> /	ST 9001
Strip Position Controller				
Series 16	-			
Version depending on the assignment				
Control programme depending on the applica	ution			

#### **Technical data**

Main power supply: 115 / 230 V AC (+ 10 % / - 15 %) / 50 - 60 Hz

Connected power consumption: 70 VA Permitted ambient temperature: 0 ... + 50 °C Permitted storage temperature : - 20 ... + 70 °C

Identifier: