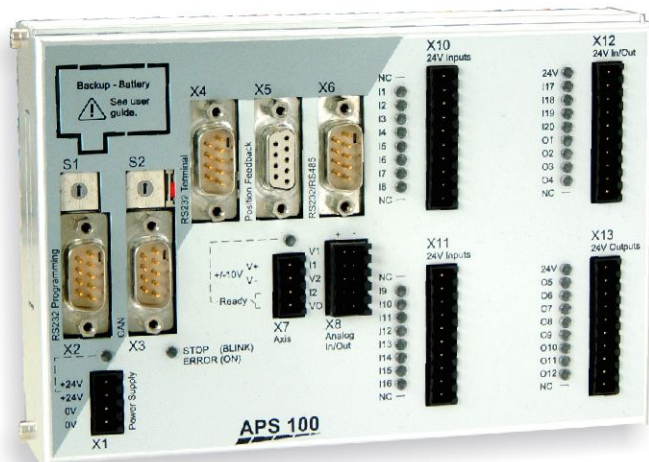




APS100

Automation Positioning PLC

- Compact unit
- Built-in digital positioning controller
- Comprehensive PLC-functions
- Analog and digital in- and outputs
- IEC 61131-3 programmable
- Incremental, SSI and magnetostrictive position acquisition
- Fast counter inputs, i.e. for handwheel
- Modular extensible
- Reduced wiring effort with sensor-actor plugs



The scalable APS-System grows to your demands.

The APS-System includes positioning and axis controller as well as comprehensive PLC functions. Because of its modular concept, the APS-System is scalable to the needs.

Technical Data

General

- Power supply voltage 24 VDC \pm 20% / 0,5 A (unloaded)
- Power fail safe parameter-memory
- Dimensions (WxDxH): 165x115x40 mm

In-/Outputs

- Positioning axis: 1 enable-relay (24 VDC, 1A) and 1 analog output (0 - \pm 10 V, 12 Bit)
- 20 Digital inputs: 24 VDC
- 2 Analog input: Resolution 11 Bit (0 ... \pm 10 V / 0-20 mA)
- 12 Digital outputs: 24 VDC, 0,8 A, short circuit proof and current limited, cumulative current max. 6A
- 1 Analog output (0 - 10V, 10Bit, PWM)

Supported position acquisition systems

- Incremental: Balanced signals (RS 422), internal fourfold (1 MHz), integr. encoder supply: 5 V or 24 V
- SSI: 8-31 Bit adjustable, ca. 230 kHz, Gray/Binary-Code
- Magnetostrictive: P-Interface

Miscellaneous:

- Emission: EN 50081-2
- Interference: EN 50082-2
- Ambient temperature: 0 - 50 °C
- Mounting on 35 mm DIN-rail

Programming

Single PC-Software for programming all tasks of the APS-System:

Positioning, PLC, Automation, Communication with the operator terminals and PC.

Included are all normed standard programming languages according to IEC 61131-3:

SFC	Sequential function chart
ST	Structured text
FBD	Function block diagramm
IL	Instruction list
LD	Ladder diagramm
FC	Flow chart

Separate diagnostics and parametrizing software APC-Com available.

Operator terminals

• HBG10:

- Rugged handheld for mobile use:
- Illuminated LCD-Display, 16x21 characters or 16x8 characters
- 35 free inscribable function keys
- Emergency stop key
- 2 acceptance keys (optional with panic funtion)
- Handwheel (optional)
- Connection: BNC
- Protection class IP65
- Protection class III, acc. to EN 50178
- Operating temperature: 0 - 50 °C
- Dimensions (WxHxD): 300x140x90 mm
- Weight: ca. 900 g

• BT20/BT24/BT300:

- Operator terminals for panel mounting:
- Membrane keys with number buttons
- Illuminated clear text display, 2x24 characters (BT300: 4x40 characters)
- 10 Function keys, on BT 24 free inscribable
- Protection class IP64 (front side)
- Operating temperature: 0 - 50 °C
- Dimensions (WxDxH):

BT20: 213x133x75 mm

BT24: 226x142x75 mm

BT300: 320x170x67 mm

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