

Kuhnke Vico PLC

Control Technology

HMI with control function

Kuhnke Vico PLC is an HMI with integrated CODESYS control. It is used to visualize and execute automation applications directly on the device. The Vico PLC series combines operation, visualization and PLC functionality in one device. The CODESYS Runtime enables the execution of control programs and the creation of visualizations within a common development environment. The device communicates with field devices, I/O modules and drives via Ethernet, Modbus TCP, Modbus RTU and EtherCAT MainDevice. OPC UA is available for connecting higher-level systems. The devices are based on an ARM Cortex-A8 processor with 1 GHz and have a resistive touch display for industrial use. All components used are robust and available for a long time.



Features

- HMI and CODESYS controller in a single device
- widescreen display with LED backlight
- ARM Cortex-A8 processor technology with graphics acceleration
- Industrial construction and design
- Visualisation and Control with CODESYS V3
- Development of PLCs and visualisation in the CODESYS Development System



Technical data	Kuhnke Vico 404 PLC	Kuhnke Vico 704 PLC	Kuhnke Vico 1004 PLC
Touch screen	4-wire analogue resistive		
Display size / Resolution	4,3" / 480 x 272 (PSP)	7" / 800 x 480 (WVGA)	10,1" / 1024x600, (WSVGA)
Dimensions (W x H x D)	147 x 107 x 34 mm	187 x 147 x 34 mm	282 x 197 x 35 mm
Processor	ARM Cortex-A8 - 1 GHz		
Software	CODESYS V3 Runtime mit TargetVisu, SoftMotion Light, (WebVisu optional)		
RAM	512 MB		
Drives	4 GB Flash memory		
Interfaces	1 x Ethernet 10/100Mbit, 1 x RS-232, 1 x USB 2.0 host, max 500 mA WLAN option		
Fieldbus	Modbus RTU, Modbus TCP/EtherCAT®, (OPC UA option) via Ethernet		
Protection level	Front: IP 66 / NEMA 4x; rear: IP 20		
Front panel	IP 66, plastic body with black, seamless film cover protection against dust, dirt and splash water		
Operation temperature	0 °C...+50 °C		
Power supply	24 VDC / (10 ... 32)		
Approvals	CE industrial environments, CE residential environments, cULus		

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