



More than **sensors + automation**

JUMO variTRON 500 touch

Touch panel with integrated central processing unit for the automation system



The features at a glance

- Touch panel and central processing unit in one device
- Application creation with CODESYS V3.5 and with Node-RED
- Creation of clear process and plant visualizations as well as user interfaces
- Full connectivity to systems and components due to support of numerous fieldbus systems (e.g. PROFINET IO-Controller, EtherCAT master, and modern communication protocols like OPC UA)
- Reliable control technology with independent PID controllers including autotuning function (when using our compatible multichannel controller module)

Go to video!



Brief overview

JUMO variTRON 500 touch is based on the JUMO JUPITER modular platform. The central processing unit, in combination with the proven input and output modules from JUMO, forms an overall system with integrated PLC (CODESYS V3.5) and enables visualization via touch panel.

Other advantages

- ▶ High process reliability and efficiency
- ▶ Lower investment costs
- ▶ Can be used in a wide range of industries
- ▶ Individual solutions through process and plant visualization
- ▶ Proof of compliance with conformities and guidelines in connection with JUMO smartWARE Evaluation (evaluation software)
- ▶ Excellent quality of the final product
- ▶ Flexible implementation of complex measurement, control, automation, and control solutions
- ▶ Full connectivity to numerous systems and components in the field level and PLC level as the basis for digital complete solutions
- ▶ Short startup times due to intuitive operation

Areas of application

Plant engineering; mechanical engineering; industrial furnace construction; food industry; pharmaceuticals, medicine, and biotechnology; energy and water supply; water and environmental engineering; chemical industry; heating, ventilation, and air-conditioning (HVAC); apparatus engineering; refrigeration technology

Technical data

Product name	JUMO variTRON 500 touch
Type	705004
Display	Touch panel in 7" and 10.1" versions
CPU	Powerful CPU with 800 MHz quad-core processor
Protection type	IP69K, IP65
Connection of I/Os and additional displays	Up to 30 connection modules and displays in various formats (portrait or landscape format, 4:3 or 16:9) can be connected
Recording	Data logging with manipulation detection
Development environment	PLC according to IEC 61131-3 (CODESYS V3.5) as well as Node-RED
Communication protocols and interfaces	PROFINET IO-Controller, MODBUS RTU/TCP and EtherCAT master, as well as OPC UA (interfaces: 2 USB host, 1 Ethernet, system bus, optional extra: 1 Ethernet, 2 RS232/RS485)
Configuration	Intuitive setup program with setup expert tool
Visualization	CODESYS Remote TargetVisu (primary), CODESYS WebVisu, and CODESYS Remote TargetVisu (secondary) A customized Visu template for operation and visualization is available free of charge