

HMI with Codesys 3 PLC and Visualization

Turck's new TX500 HMI series offers control, operation and visualization in a single device

Mülheim, March 15, 2016 – At the Hannover Messe Turck is showcasing a new HMI series: the TX500 HMI PLCs with high-end touch displays and fast processors are ideal for use in small to medium-size machines which have processes that have to be controlled, operated and visualized locally. Each TX500 is equipped with a Profinet master and EtherNet/IP scanner, as well as a Modbus TCP and Modbus RTU master. The HMIs can also be run as slaves in both Modbus protocols.

Codesys3 allows the lean and simple programming of the PLC and visualization functions. The latest processor technology of the units guarantees the smooth handling of computing intensive processes right through to moving image visualizations. The high resolution TFT display with 64,000 colors enables the attractive and high performance display of graphics and animations. The front panel of the TX500 series is protected to IP66.

Two RJ45 Ethernet ports, a serial interface for RS232 or RS485 as well as two USB ports are provided on the terminal side. An additional SD card slot makes it possible to expand the 128 MB internal data memory. Turck is offering the TX500 series in three variants with different display sizes and resolutions: two 16:9 displays with 7" or 13" (TX507 and TX513) diagonals and one 10" device in 4:3 format (TX510). The two smaller displays offer 800 x 400 pixels, while the large TX513 comes with 1280 x 800 pixels.

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The TX500-HMIs provide masters for the most important industrial Ethernet protocols

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