



TD430 (4,3") Touch-screen HMI WinCE

This series of WinCe HMI is featuring a soft-PLC (standard IEC 6-1131), which has been a signature also of previous Pixsys HMI and allows to manage external peripheral devices via RS485, Ethernet, USB or CAN interface. The expansion module ETD884 enables also stand-alone applications where supervision, logics and analogue/digital I/O are combined into a single device.

Pixsys Suite runtime makes available the integrated programming of soft PLC and graphics. The soft PLC supports multi-tasks with execution up to 10 ms and includes drivers for Modbus RTU Master/Slave, Modbus TCP/IP Master/Slave and CAN Open Master. Thanks to 5 different programming languages according to standard IEC 61131-3 (SFC -Sequential Function Chart, FBD -Function Block Diagram, LD -Ladder Diagram, ST -Structured Text, IL -Instruction List) and to the object-oriented programming for the graphics, the development of projects is made easier and more user-friendly.

This same development environment may be used to program also the range of Pixsys Panel-PC (TD750/TD850/TD900), ensuring portability of the applications among different platforms, aiming to maximum flexibility and shortening of programming times.

The series is completed by **TD570** (5,7") and **TD700** (7").

Ordering codes

TD430-AD	HMI 4,3" with soft-plc + 1 serial RS485 + 1 CANopen
ETD884-AD	Expansion 2 An. 16bit/1msec (loading cells) + 8 Inp. + 8 Statics + 2 outputs Volt/mA

Main features

Box	140x100 (front panel) x 38;
Power supply	12...24Vac/Vdc $\pm$ 15% 50/60 Hz
Consumption	3,7W
Display	LCD TFT touch screen 4.3" , 480x272 pixel 16 milion colors;
Operating conditions	Temperature 0-45 °C, humidity 35..95 uR%

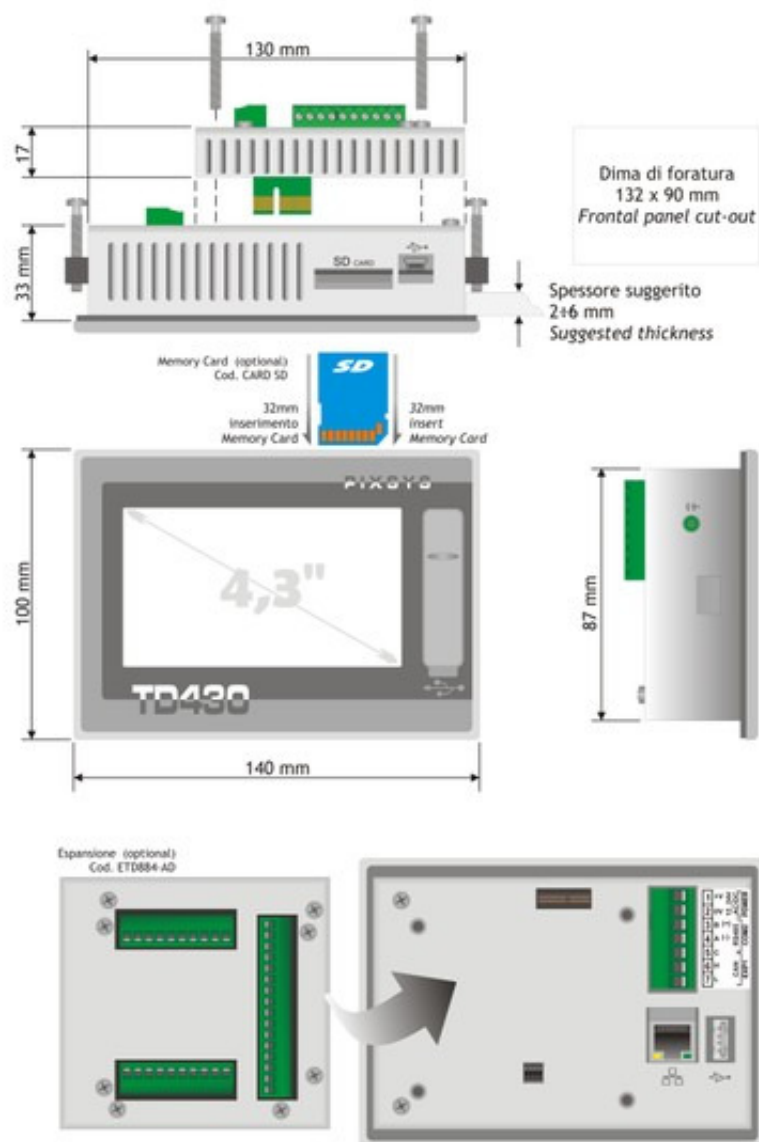
Material	Front panel: aluminium with polycarbonate coverage; Box: chromed steel
Weight	Approx. 476 gr
Sealing	IP54 (Front panel) , IP20 (Box and Terminal blocks)
Expansion Module	ETD884-AD Expansion: 2 load cell inp. with integrated power supply for the cell, 8 digital inputs, 2 Encoder inp. 24bit PNP/TTL, 8 digital outputs, 2 analogue outputs V/mA, 4 analogue inp. NTC/PTC/V/mA

Hardware features and communication ports

Processor	ARM V4i 200 MHz
Memory	Flash 256 MB
Serial communication	RS485 galvanic isolated
Field bus	CAN galvanic isolated
USB	1 USB for programming on frontal + 1 USB 2.0 on back side
Ethernet	1 Ethernet 10/100 Base-T on RJ45 connector
Memory card	SD/MMC Reader

Software features

Operating system	WinCE 6.0 R3
Programming of logics	LogicLab (Pixsys Suite), choice of languages according to IEC 61131-3
Programming of graphic interface	PageLab (Pixsys Suite)
Communication protocols	ModbusRTU Master/Slave, Modbus TCP/IP Master/Slave, CAN Open Master, Free-port mode for modems or proprietary devices
Clock	Real-Time clock, Back-up battery



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