

Silver Series

HMI530T

8" 256 Color TFT LCD Touchscreen



- Bright 256 (8-Bit) color TFT display
- 640x480 pixel resolution
- Simple to use, easy to configure
- Popup windows and animation
- Multi-language feature
- Alarm and recipe management
- Online/offline simulation
- Landscape or portrait orientation
- cUL listed
- CE, NEMA 4/IP65 certification
- Most popular PLCs supported
- 2 year warranty

The HMI530 has a compact 8.0" diagonal screen with a high resolution of 640x480 pixels. This graphics touchscreen is perfect for applications that require a larger screen but have tight restrictions on space.

The 8.0" TFT display supports up to 256 colors with a brightness level of 400 nits (cd/m²). The display has over 50,000 hours of backlight lifespan and a screen saver feature that can be used to blank the display when not in use. The wide viewing angle and high contrast ensure that data can be easily seen.

As part of our popular Silver Series product line, the HMI530T communicates to a wide variety of PLCs and motion controllers from

over 30 major manufacturers. The OIT is very easy to configure using our EZware-500 software with pick-and-place objects including bar graphs, meters, text objects, numeric entry, trend graphs, and alarms. The built-in simulation feature means you can easily test and modify your project before downloading.



If you are looking for an operator interface with a big display in a small package, the HMI530T is the best choice.

Reliable, affordable, loaded with features, and easy to use – the HMI530T is another smart solution from the operator interface experts.

Every Machine
Needs the
Human Touch



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HMI530T Specifications

Hardware

CPU Type	200MHz 32-bit RISC
Memory	2MB Flash, 4MB DRAM
Serial Ports	Com1: RS-232 (HMI to PC), RS-485 (HMI to PLC), Com2: RS-232 (HMI to PLC), Aux (HMI to PLC)
Printer Port	Parallel (supports HP PCL)
RTC	Built-in

Display

Type	8.0" TFT color
Size (WxH)	6.3 x 4.8 inches [161 x 122 mm] 8.0" diagonal
Resolution (pixels)	640 x 480
Brightness (cd/m ²)	400
Contrast Ratio	250:1
Max Colors	256 (8 bit)
Viewing Angle (°)	55/65/65/65 (T,B,R,L)
Backlight Longevity	50,000 hrs

Touchscreen

Type	4 wire analog resistive
Resolution	Continuous
Light Transmission	Above 80%
Lifespan	1 million activations minimum

Environmental

Operating Temperature	32 ~ 113°F (0~45°C)
Storage Temperature	-22 ~ 158°F (-30 ~ 70°C)
Relative Humidity	10 ~ 80% (non-condensing)
Shock (operation)	10 to 25Hz (X,Y,Z direction, 2G, 30 minutes)
Ratings	NEMA4/IP65
Certifications	CE, EMI FCC Class A, cUL Listed

Specifications may change without notice.

Functionality

Pop-up Windows	Multiple windows can overlap, minimize/maximize, open/close, or move on screen
Graphics Libraries	Extensive collection of predefined libraries
Simulation Mode	Easily test projects online or offline
Security	3 levels
Macros	Math functions
Multiple Languages	Up to 4 languages per object
Object Placement	Easily create objects of any size, place any location on screen
Alarm/Event Management	Trigger on bit or word; Capture time/date information; Display as marquee or list box
Recipe Management	Up to 32,767 records non-volatile memory
Trending	Up to 16 channels; Single or Multiple Page; Sampling time 0-65,535 secs; Hold Feature
Landscape or Portrait Orientation	Flexible to meet space requirements
RS-232 Auxiliary Port	Connect to a second PLC (limited drivers)

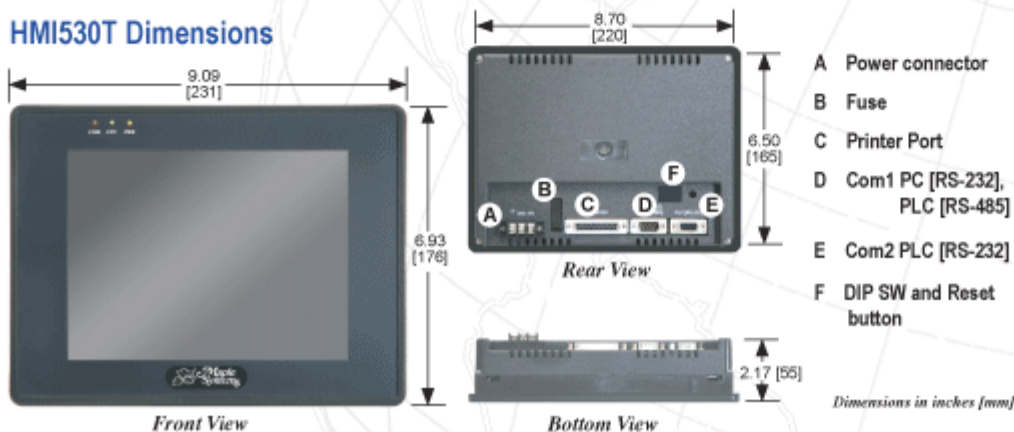
Mechanical

Enclosure	Plastic molding
Dimensions (WxHxD)	9.09 x 6.93 x 2.17 inches [231 x 176 x 55 mm]
Panel Cutout Dimensions (WxH)	8.74 x 6.57 inches [222 x 167 mm]
Weight	2.7 lbs [1.2 kg]
Mounting	Panel
Power Requirements	24VDC, 500mA maximum
Warranty	2 years

Order Number

HMI530T	8.0" TFT Graphic OIT
HMI530T-KIT	HMI530T with software and configuration cable

HMI530T Dimensions



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