

Silver Series

HMI520T



5.6" 256 Color TFT LCD Touchscreen



- Bright 256 (8-Bit) color TFT display
- 320x234 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
- cULus listed
- CE, IP65, NEMA4, NEMA4X
- Most popular PLCs supported
- 2 year warranty

The HMI520T is a compact, low cost graphics touchscreen OIT with a very bright display of over 500 nits (cd/m²).

The 5.6" TFT display supports up to 256 colors with a resolution of 320 x 234 pixels. The display has over 30,000 hours of backlight lifespan and a screen saver feature used to blank the display when not in use. The wide viewing angle and high contrast ensure that data is easily seen.

As part of our popular Silver Series product line, the HMI520T 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 to the HMI520T.

Perhaps the best feature of the HMI520T is dependability. With several thousand units



already in the field, the Silver Series 520T has proven to be a reliable operator interface over the years.

Reliable, affordable, loaded with features, and easy to use – the HMI520T is another smart solution from the operator interface experts.

**Every Machine
Needs the
Human Touch**



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HMI520T 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)
RTC	Built-in

Display

Type	5.6" TFT color
Size (WxH)	4.5 x 3.5 inches [114 x 89 mm] 5.6" diagonal
Resolution (pixels)	320 x 234
Brightness (cd/m ²)	500
Contrast Ratio	150:1
Max Colors	256 (8 bit)
Viewing Angle (°)	55/65/65/65 (T,B,R,L)
Backlight Longevity	30,000 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	IP65, NEMA4, NEMA4X (indoor only)
Certifications	CE, EMI FCC Class A, cULus 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)

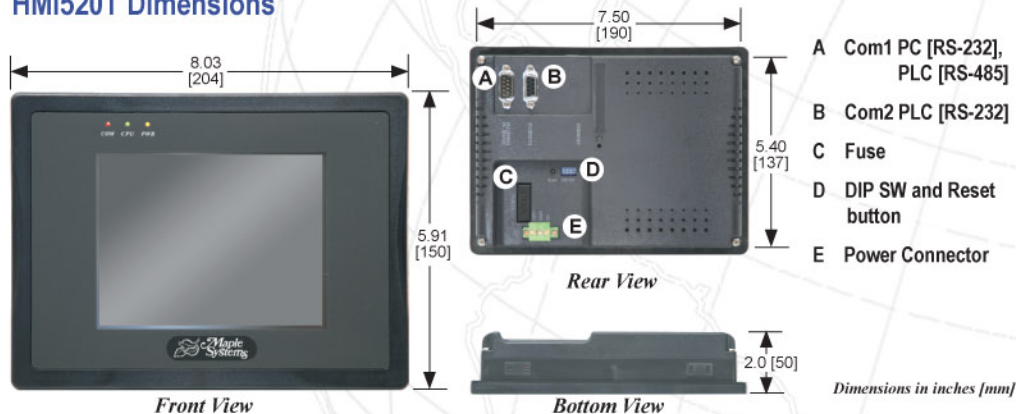
Mechanical

Enclosure	Plastic molding
Dimensions (WxHxD)	8.03 x 5.91 x 2.0 inches [204 x 150 x 50 mm]
Panel Cutout Dimensions (WxH)	7.56 x 5.43 inches [192 x 138 mm]
Weight	1.9 lbs [0.86 kg]
Mounting	Panel
Power Requirements	24VDC, 300mA maximum
Warranty	2 years

Order Number

HMI520T	5.6" TFT Graphic OIT
HMI520T-KIT	HMI520T with software and configuration cable

HMI520T Dimensions



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