

# Silver Series

## HMI550T

10.4" 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 HMI550T is a large screen, low cost graphics touchscreen OIT designed for harsh industrial applications.

The bright 10.4" TFT display supports up to 256 colors with a resolution of 640 x 480 pixels. 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 HMI550T 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 HMI550T.



Perhaps the best feature of the HMI550T is dependability. With several thousand units already in the field, the Silver Series HMI550T has proven to be a reliable operator interface over the years.

Reliable, affordable, loaded with features, and easy to use – the HMI550T is another smart solution from the operator interface experts.

Every Machine  
Needs the  
Human Touch



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# HMI550T 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	10.4" TFT color
Size (WxH)	8.4 x 6.3 inches [213 x 160 mm] 10.4" diagonal
Resolution (pixels)	640 x 480
Brightness (cd/m <sup>2</sup> )	400
Contrast Ratio	300:1
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)

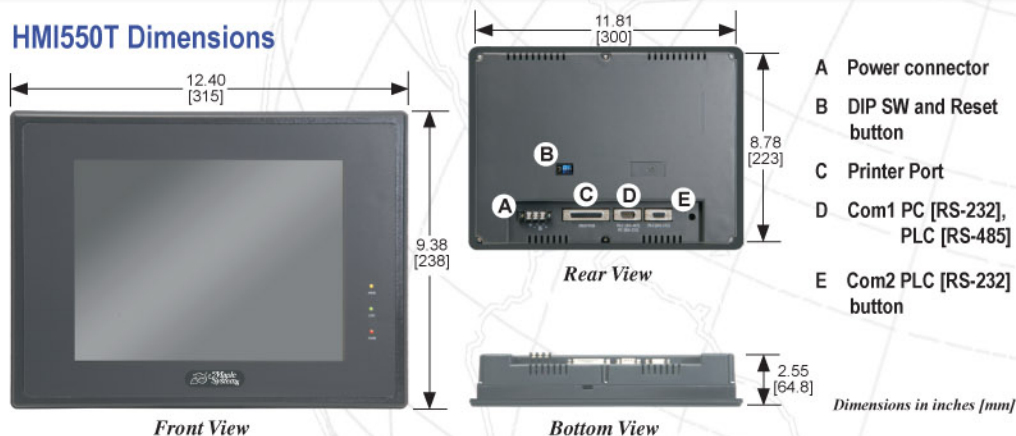
## Mechanical

Enclosure	Plastic molding
Dimensions (WxHxD)	12.40 x 9.38 x 2.55 inches [315 x 238 x 64.8 mm]
Panel Cutout Dimensions (WxH)	11.89 x 8.86 inches [302 x 225 mm]
Weight	4.4 lbs [2.0 kg]
Mounting	Panel
Power Requirements	24VDC, 500mA maximum
Warranty	2 years

## Order Number

HMI550T	10.4" TFT Graphic OIT
HMI550T-KIT	HMI550T with software and configuration cable

## HMI550T Dimensions



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