

Silver Series

HMI504T

4.3" 256 Color TFT LCD Touchscreen



- Bright 256 (8-Bit) color TFT display
- RS-232, RS-422\RS-485 Serial Ports
- Online/offline simulation
- Multi-language feature
- Alarm and recipe management
- Animation and popup windows
- Landscape or Portrait orientation
- CE, NEMA 4/IP65 Certification
- Most popular PLCs supported
- 2 year warranty

The Silver Series HMI504T is a rugged graphic operator interface with a high resolution 4.3" diagonal touchscreen TFT display. The nominal 1.5" depth with port access along the bottom of the OIT makes mounting in tight spots easy. The fanless design means no extra space for cooling is required.

You can easily give your system a professional look with this vivid display, extensive graphics libraries, and the ability to import custom BMPs.

The HMI504T can communicate to a wide variety of PLCs or motion controllers, with support for over 30 major manufacturers.



It is the perfect operator interface solution for your industrial applications whether process control, packaging, water treatment, building automation, assembly line controls and many others.

The HMI504T is reliable, affordable, loaded with features, and easy to use. It is another smart solution from the operator interface experts.

Every Machine
Needs the
Human Touch



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HMI504T Specifications

Hardware

CPU Type	200MHz 32-bit RISC
Memory	2MB Flash, 4MB DRAM
Serial Ports	Com1: RS-232 (HMI to PC) Com2: RS-232/RS-485 (HMI to PLC)
RTC	None

Display

Type	4.3" TFT color
Size (WxH)	3.74 x 2.12 inches [95.0 x 53.4 mm] 4.3" diagonal
Resolution (pixels)	480 x 272
Brightness (cd/m ²)	300
Contrast ratio	400:1
Max Colors	256 (8 bit)
Viewing Angle (°)	80/80/80/80 (T,B,R,L)
Backlight Longevity	??? 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	Pending

Functionality

Networking	Modbus RS-485
RS-232 Auxiliary Port	Connect to a second PLC (limited drivers)
Multiple Languages	Up to 4 languages per object
Security	6 levels
Macros	Math functions
Recipe Management	Up to 32,767 records non-volatile memory
Alarm Management	Scan and display as marquee or list
Trending	Up to 16 channels Single or Multi-Pages Variable sampling time and plot points Hold Feature
Landscape or Portrait Orientation	Maximum flexibility to meet space requirements
Ease of Use	Popup Windows Offline/Online Simulation Extensive Graphics Libraries

Mechanical

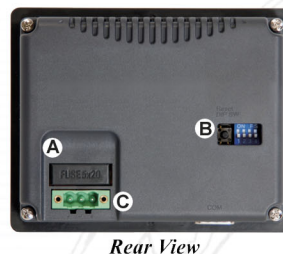
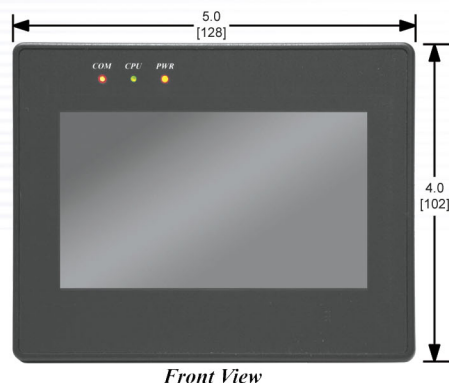
Enclosure	Plastic molding
Dimensions (WxHxD)	5.0 x 4.0 x 1.5 inches [128 x 102 x 38 mm]
Weight	0.7 lbs [0.3 kg]
Mounting	Panel
Power Requirements	12-28VDC, 300mA maximum
Warranty	2 years

Order Number

HMI504T	4.3" TFT Graphic OIT
HMI504T-KIT	HMI504T with software and configuration cable

Specifications may change without notice.

HMI504T Dimensions



- A Fuse
- B Reset/DIP SW
- C Power connector
- D Com1: RS232 (HMI to PC)
Com2: RS232/485 (HMI to PLC)

Dimensions in inches [mm]



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