

Graphic OIT

Silver Series

HMI5080T



8" 65K Color TFT LCD Touchscreen with advanced features



- Bright 65,536 (16-Bit) color TFT display
- Built-in Ethernet, serial, USB, and CompactFlash ports
- Support for Allen-Bradley EtherNet/IP and Modbus TCP/IP
- Up to four protocols simultaneously
- TrueType fonts and international characters
- Data logging/Data sampling
- Online/offline simulation
- Multi-language feature
- Alarm and recipe management
- Animation and popup windows
- Most popular PLCs supported
- 2 year warranty

The Silver Series HMI5080T is a rugged graphic operator interface with a high resolution 8" diagonal touchscreen TFT display. The nominal 2" 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, JPGs, or animated GIFs. The HMI5080T can communicate simultaneously with multiple controllers. 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 HMI5080T 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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HMI5080T Specifications

Hardware	
CPU Type	200MHz 32-bit RISC Fanless
Memory	32MB Flash, 64MB DRAM
Ethernet Port	10/100 Base-T (RJ45)
Serial Ports	Com1: RS-232/RS-485, 2 or 4 wire Com2: RS-232 Com3: RS-232/RS-485, 2 wire
USB Interface	3 USB 2.0 Host ports, Type A
CF Card Slot	CompactFlash™, Type II
RTC	Built-in

Display	
Type	8.0" TFT color
Size (WxH)	6.3 x 4.8 inches [161 x 122 mm] 8" diagonal
Resolution (pixels)	640 x 480
Brightness (cd/m ²)	400
Contrast ratio	250:1
Max Colors	65536 (16 bit)
Viewing Angle (°)	55/65/65/65 (T,B,R,L)
Backlight Longevity	50,000 hrs (CCFLx1)

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

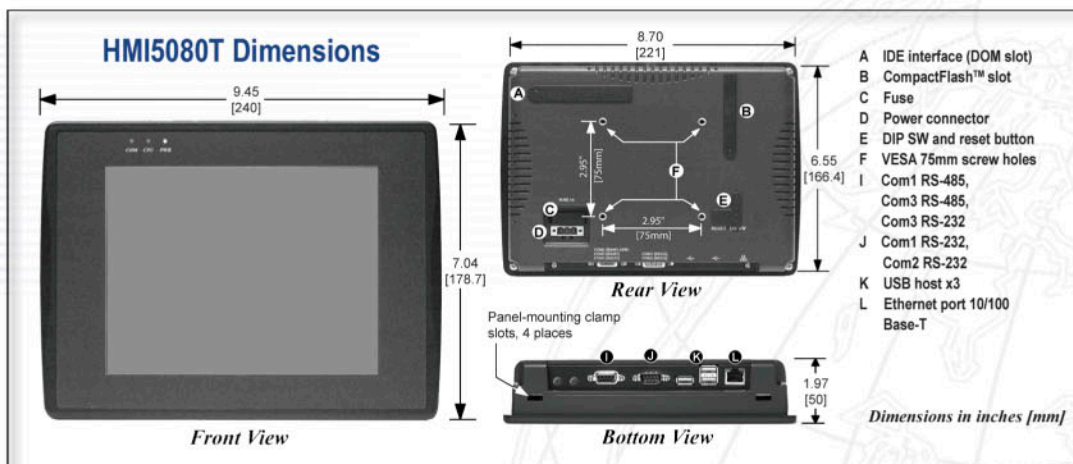
Environmental	
Operating Temperature	32 ~ 113°F (0 ~ 45°C)
Storage Temperature	-13 ~ 158°F (-25 ~ 70°C)
Relative Humidity	10% ~ 90% (non-condensing)
Shock (operation)	10 to 25Hz (X,Y,Z direction, 2G, 30 minutes)
Ratings	IP65, NEMA4, NEMA4X (indoor only)
Certifications	cULus, CE, EMI FCC Class A

Functionality	
Networking	Modbus TCP/IP, AB EtherNet/IP, Remote Monitoring
Multiple Port Connectivity	Up to four protocols simultaneously
Data Transfer	Share data between HMIs and PLCs
Data Logging/Sampling	Up to 1000 records Time/Trigger-based
Hardware Options	Mouse, External Keyboard, Memory Storage, Barcode
Windows Fonts	Unicode support International characters
Multiple Languages	Up to 8 languages per object
Security	6 levels, 3 passwords per level Interlock Safety feature Visibility protection
Macros	Math functions, 32-bit Float support
Recipe Management	Up to 32,767 records Index Feature
Alarm Management	Four priority levels Organize by category Real-Time or History
Trending	Up to 8 channels Real-Time or History Time/Date Capture Watch Line Feature
Ease of Use	Popup windows Offline/Online Simulation Extensive Graphics Libraries

Mechanical	
Enclosure	Plastic molding
Dimensions (WxHxD)	9.45 x 7.04 x 1.97 inches [240 x 178.7 x 50 mm]
Panel Cutout Dim. (WxH)	8.74 x 6.62 inches [222 x 168 mm]
Weight	2.7 lbs [1.2 kg]
Mounting	Panel / VESA 75 compatible
Power Requirements	24VDC 440mA maximum
Warranty	2 years

Order Number	
HMI5080T	8.0" TFT Graphic OIT

Specifications may change without notice.



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