

Graphic OIT

Silver Series

HMI5100N



**10" 65K Color Widescreen TFT
with advanced features**



Display stunning high-definition graphics on a widescreen Graphic OIT that is 35% larger than a comparable non-widescreen unit.

- 800 x 480 pixel resolution
- 35 Percent Larger Screen Area
- Bright 65,536 (16-Bit) Color TFT display
- 400 MHz CPU, 128 MB Flash, 64 MB DRAM
- Built-in Serial, USB, SD Card Slot
- Up to three 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

Enticing and functional widescreen visuals can be a big improvement in the communications aspects of your Graphic OIT, but you need the model that can handle the task.

The Silver Series HMI5100N 10.2" Widescreen Graphic OIT answers that call with its high resolution 800 x 480 pixel High-Brightness (300 cd/m²) TFT Touchscreen Display.

Toss in the fact that this innovative wide-screen has a 400 MHz

processor and is loaded with 128 MB of Flash Memory and 64 MB of DRAM, and you have a winning package and the best value in the marketplace.

The shallow depth and fanless design make mounting in tight spots easy. The outer dimensions and panel cut-out of the unit are comparable to a standard 10" unit, but the screen area is much larger and therefore has more room for functional graphics.

And with EZware you can literally design and customize your 10" widescreen application exactly the way you want it, while taking advantage of the many features packed into the HMI5100N.

**Every Machine
Needs the
Human Touch**



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HMI5100N Specifications

Hardware	
CPU Type	400MHz 32-bit RISC Fanless
Memory	128MB Flash, 64MB DRAM
SD Card Slot	Yes
Serial Ports	Com1: RS-232/RS-485, 2 or 4 wire Com2: RS-232 Com3: RS-232/RS-485, 2 wire
USB Interface	1.1 Host port, 2.0 Client port
RTC	Built-in

Display	
Type	10.2" TFT color
Size (WxH)	8.75 x 5.25 inches [222 x 133 mm] 10.2" diagonal
Resolution (pixels)	800 x 480
Brightness (cd/m ²)	300 LED Back light
Contrast ratio	300:1
Max Colors	65536 (16 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	-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	CE, EMI FCC Class A, cULus Pending

Specifications subject to change without notice.

Functionality	
Multiple Port Connectivity	Up to three 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 20 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)	10.67 x 8.38 x 1.96 inches [271 x 213 x 50 mm]
Panel Cutout Dim. (WxH)	10.20 x 7.91 inches [259 x 201 mm]
Weight	3.4 lbs [1.6 kg]
Mounting	Panel / VESA compatible
Power Requirements	24VDC, 300mA
Warranty	2 years

Order Number	
HMI5100N	10.2" TFT Graphic OIT

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