Product datasheet

Specification





advanced touchscreen panel, Harmony GTO, 320 x 240pixels QVGA, 3.5inch TFT, 96MB

HMIGTO1310

Main

Range of product	Harmony GTO				
Product or component type	Advanced touchscreen panel				
Display colour 65536 colours					
display size 3.5 inch					
Supply External source					
Control button type	6 operation defined using Vijeo Designer push-button key F1F6				
operating system	Harmony				
Battery type	Lithium battery for internal RAM, autonomy: 100 days, charging time = 5 day(s), battery life = 10 year(s)				

Complementary

Complementary					
Terminal type	Touchscreen display				
Display type	Backlit colour TFT LCD				
display resolution	320 x 240 pixels QVGA				
Touch sensitive zone	1024 x 1024				
Touch panel	Resistive film, 1000000 cycles				
Backlight lifespan 50000 hours white at 25 °C					
Brightness	16 levels - control by touch panel 16 levels - control by software				
Character font	Chinese (simplified Chinese) Korean Taiwanese (traditional Chinese) Japanese (ANK, Kanji) ASCII (European characters)				
[Us] rated supply voltage	24 V DC				
Supply voltage limits 19.228.8 V					
Inrush current	30 A				
Maximum power consumption in W	5.2 W when power is not supplied to external devices4.2 W when backlight is OFF4.3 W when backlight is dimmed9.6 W				
Local signalling	Status LED green, steady for offline Status LED green, steady for operating Status LED orange, flashing for software starting up Status LED red, steady for power supply (ON) Status LED clear, faded for power supply (OFF)				
Software designation	Vijeo Designer configuration software >= V6.1				
Memory description	Flash EPROM, 96 MB				

Data backed up	512 KB internal RAM (SRAM)			
·	312 No litternal NAW (SIVAW)			
Data storage equipment	SD card, <= 32 GB SDHC card, <= 32 GB			
Downloadable protocols	Schneider Electric Modicon Modbus Schneider Electric Modicon Uni-TE			
	Schneider Electric Modicon Modbus Plus			
	Schneider Electric Modicon FIPWAY Mitsubishi Melsec third party protocols			
	Omron Sysmac third party protocols			
	Rockwell Automation Allen-Bradley third party protocols			
	Siemens Simatic third party protocols			
	Schneider Electric Modicon Modbus TCP			
ntegrated connection type	COM1 serial link RJ45, interface: RS232C/RS485, transmission rate: 2400115200 bps			
	COM1 serial link RJ45, interface: RS232C/RS485, transmission rate: 187.5 kbps			
	compatible with Siemens MPI			
	Ethernet RJ45, interface: 10BASE-T/100BASE-TX			
	Ethernet RJ45, interface: IEEE 802.3 USB 2.0 type A			
	USB 2.0 type Mini B			
Product mounting	Flush mounting			
Fixing mode	By 4 screw clamps			
Front material	PPT			
Enclosure material	РРТ			
ype of cooling Natural convection				
Vidth	132 mm			
leight	106 mm			
	42 mm			
Depth	42 mm			
Depth Net weight	42 mm 0.4 kg			
Net weight				
Net weight Environment				
Net weight Environment	0.4 kg			
Net weight Environment	0.4 kg IEC 61000-6-2			
Net weight Environment Standards	0.4 kg IEC 61000-6-2 UL 508			
Net weight Environment Standards	0.4 kg IEC 61000-6-2 UL 508 IEC 61131-2 KCC cULus			
Net weight Environment Standards	0.4 kg IEC 61000-6-2 UL 508 IEC 61131-2 KCC cULus C-Tick			
Net weight Environment Standards	0.4 kg IEC 61000-6-2 UL 508 IEC 61131-2 KCC cULus C-Tick CE			
Net weight Environment Standards	0.4 kg IEC 61000-6-2 UL 508 IEC 61131-2 KCC cULus C-Tick			
Net weight Environment Standards Product certifications Ambient air temperature for	0.4 kg IEC 61000-6-2 UL 508 IEC 61131-2 KCC cUllus C-Tick CE UKCA			
Environment Standards Product certifications Ambient air temperature for operation Ambient air temperature for operation	0.4 kg IEC 61000-6-2 UL 508 IEC 61131-2 KCC cULus C-Tick CE UKCA UKEX			
Environment Standards Product certifications Ambient air temperature for operation Ambient air temperature for storage	0.4 kg IEC 61000-6-2 UL 508 IEC 61131-2 KCC cULus C-Tick CE UKCA UKEX 050 °C			
Environment Standards Product certifications Ambient air temperature for operation Ambient air temperature for storage Relative humidity	0.4 kg IEC 61000-6-2 UL 508 IEC 61131-2 KCC cULus C-Tick CE UKCA UKEX 050 °C -2060 °C			
Environment Standards Product certifications Ambient air temperature for operation Ambient air temperature for storage Relative humidity Operating altitude	0.4 kg IEC 61000-6-2 UL 508 IEC 61131-2 KCC cULus C-Tick CE UKCA UKEX 050 °C -2060 °C 1090 % without condensation < 2000 m IP20 (rear panel) conforming to IEC 60529			
Environment Standards Product certifications Ambient air temperature for operation Ambient air temperature for storage Relative humidity Deperating altitude P degree of protection	0.4 kg IEC 61000-6-2 UL 508 IEC 61131-2 KCC cULus C-Tick CE UKCA UKEX 050 °C -2060 °C 1090 % without condensation < 2000 m IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529			
Environment Standards Product certifications Ambient air temperature for operation Ambient air temperature for storage Relative humidity Deperating altitude P degree of protection	IEC 61000-6-2			
Environment Standards Product certifications Ambient air temperature for operation Ambient air temperature for storage Relative humidity Operating altitude IP degree of protection NEMA degree of protection Shock resistance	IEC 61000-6-2 UL 508 IEC 61131-2 KCC cULus C-Tick CE UKCA UKEX 050 °C -2060 °C 1090 % without condensation < 2000 m IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529 NEMA 4X front panel (indoor use) 147 m/s² 3 chocks in each direction X, Y and Z conforming to IEC 61131-2			
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Packing Units

•	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.500 cm
Package 1 Width	18.500 cm
Package 1 Length	21.000 cm
Package 1 Weight	712.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.650 kg

Contractual warranty

Warranty 18 months

Sustainability Screen Premium*

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

	Reach Free Of Svhc	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

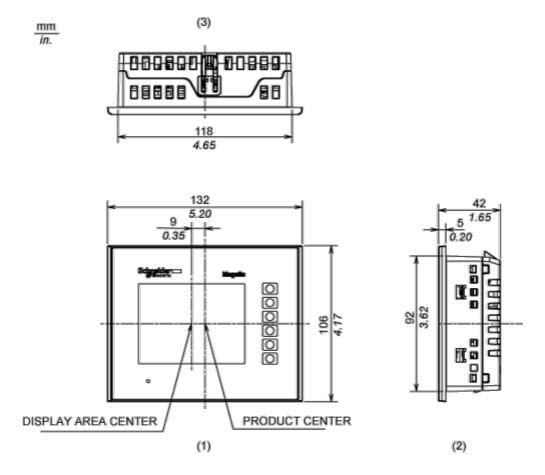
Certifications & Standards

Reach Regulation	REACh Declaration		
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)		
China Rohs Regulation	China RoHS declaration		
Environmental Disclosure	Product Environmental Profile		
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins		
Circularity Profile	End of Life Information		

Dimensions Drawings

Dimensions

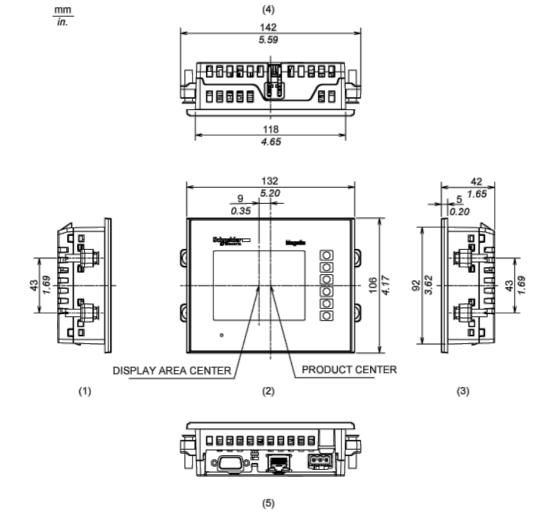
External Dimensions



- 1 Front
- 2 Right Side
- 3 Тор

Installation with Installation Fasteners

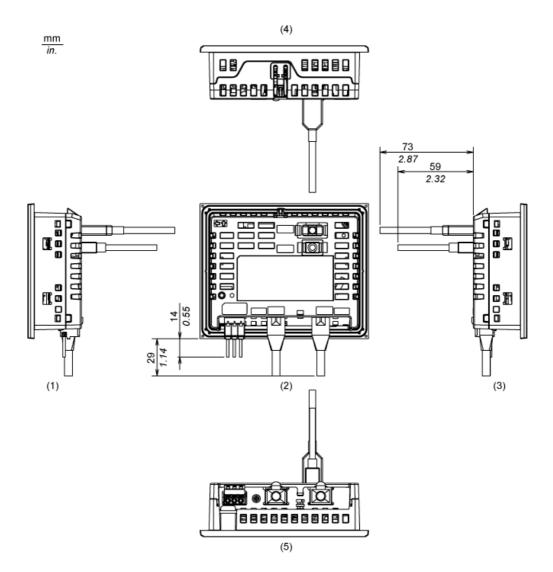
HMIGTO1310



- 1 Left Side
- 2 Front
- 3 Right Side
- 4 Top
- 5 Bottom

Dimensions with Cables

HMIGTO1310

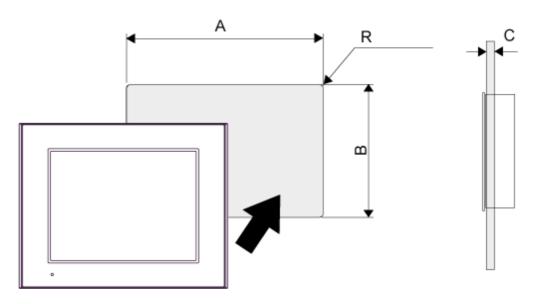


- 1 Left Side
- 2 Rear
- 3 Right Side
- 4 Тор
- 5 Bottom

Mounting and Clearance

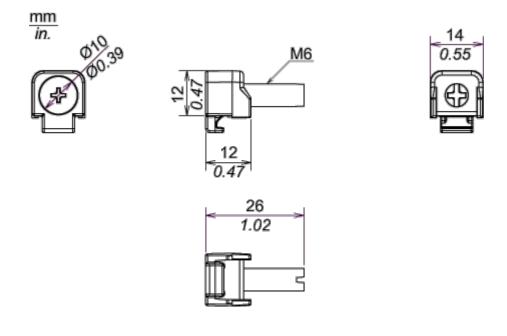
Mounting

Panel Cut Dimensions



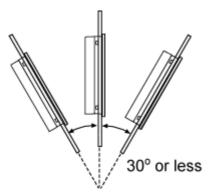
A		В		С		R	
mm	in.	mm	in.	mm	in.	mm	in.
118.5 (+1, -0)	4.67 (+0.04, -0)	92.5 (+1, -0)	3.64 (+0.04, -0)	1.65	0.060.2	3 max.	0.12 max.

Installation Fastener Dimensions



Installation Requirements

Mounting Angle



When installing the panel in a slanted position with an incline more than 30° , the ambient temperature must not exceed 40° C (104° F). You may need to use forced air cooling (fan,A/C) to ensure the ambient operating temperature is 40° C or less (104° F or less).

Clearance

