# **Product datasheet**

Specifications





HMIGTO2310 - advanced touchscreen panel 320 x 240 pixels QVGA- 5.7" TFT - 96 MB. Magelis GTO advanced touchscreen panel.

HMIGTO2310

### Main

Range Of Product	Harmony GTO				
Product Or Component Type Advanced touchscreen panel					
Display Colour	65536 colours				
Display Size	5.7 inch				
Supply	External source				
Operating System	Harmony				
Battery Type	Lithium battery for internal RAM, autonomy: 100 days, charging time = 5 day(s), battery life = 10 year(s)				

## 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	Korean Taiwanese (traditional Chinese) ASCII (European characters) Chinese (simplified Chinese) Japanese (ANK, Kanji)				
[Us] Rated Supply Voltage	24 V DC				
Supply Voltage Limits	19.228.8 V				
Inrush Current	30 A				
Maximum Power Consumption In W	6.5 W when power is not supplied to external devices 4.5 W when backlight is OFF 5 W when backlight is dimmed 10.5 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) COM2 LED yellow, steady for data is being transmitted COM2 LED yellow, faded for no data transmission SD card LED green, steady for card is inserted SD card LED green, faded for card is not inserted or is not being accessed				

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Vijeo Designer configuration software >= V6.1  Flash EPROM, 96 MB			
Flash EPROM, 96 MB			
Flash EPROM, 96 MB			
512 KB internal RAM (SRAM)			
SD card, <= 32 GB SDHC card, <= 32 GB			
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			
COM1 serial link SUB-D 9, interface: RS232C, transmission rate: 2400115200 bps COM2 serial link RJ45, interface: RS485, transmission rate: 2400115200 bps COM2 serial link RJ45, interface: 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			
Flush mounting			
By 4 screw clamps			
PPT			
РРТ			
Natural convection			
169.5 mm			
137 mm			
59.5 mm			
0.8 kg			

# **Environment**

Standards	IEC 61000-6-2				
	UL 508				
	IEC 61131-2				
Product Certifications	cULus				
	C-Tick				
	CE				
	KCC				
	UKCA				
	UKEX				
Ambient Air Temperature For Operation	055 °C				
Ambient Air Temperature For Storage	-2060 °C				
Relative Humidity	1090 % without condensation				
Operating Altitude	< 2000 m				
Ip Degree Of Protection	IP20 (rear panel) conforming to IEC 60529				
	IP65 (front panel) conforming to IEC 60529				
Nema Degree Of Protection	NEMA 4X front panel (indoor use)				
Shock Resistance	147 m/s² 3 chocks in each direction X, Y and Z conforming to IEC 61131-2				
Vibration Resistance	3.5 mm (f = 59 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - conforming				
	to IEC 61131-2				
	1 gn (f = 9150 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - conforming to IEC 61131-2				

Resistance To Electrostatic
Discharge

6 kV contact discharge conforming to IEC 61000-4-2 level 3

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	14.500 cm
Package 1 Width	18.500 cm
Package 1 Length	23.500 cm
Package 1 Weight	1.055 kg
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	5.000 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	64
Package 3 Height	105.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	100.000 kg

# **Contractual warranty**

Warranty 18 months

# Sustainability Green Premium

**Green Premium**<sup>TM</sup> **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-CO<sub>2</sub> 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



Mercury Free



Rohs Exemption Information

Yes

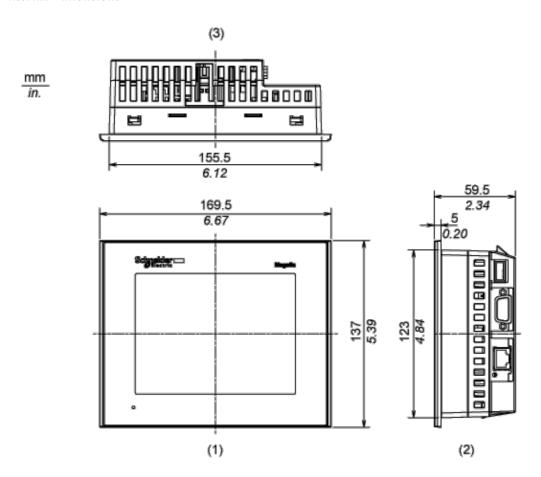
## **Certifications & Standards**

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**

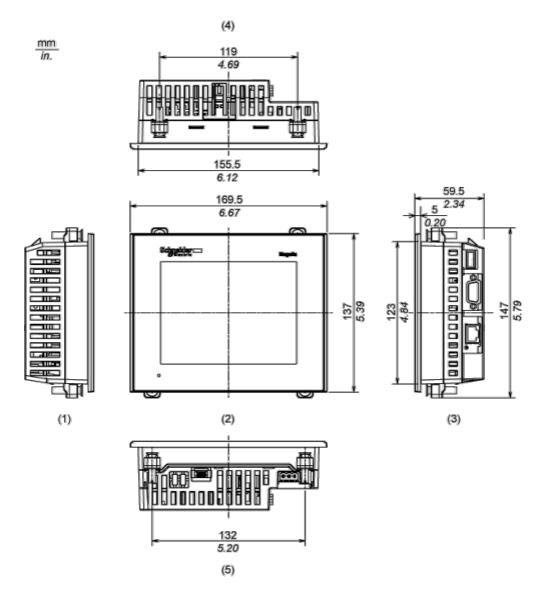
#### **External Dimensions**



- 1 Front
- 2 Right Side
- 3 Тор

### **Installation with Installation Fasteners**

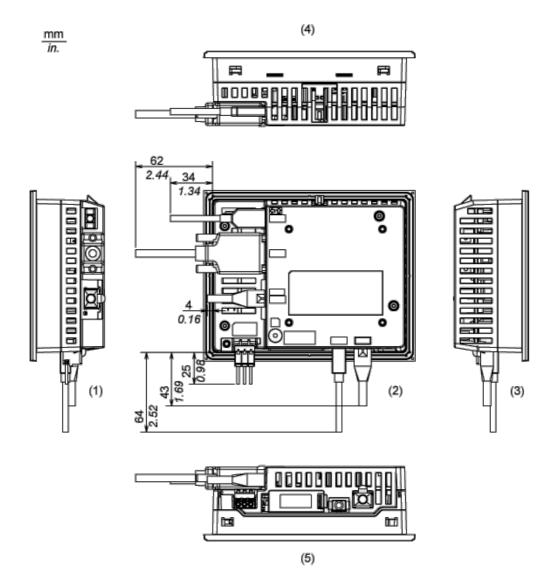
## **HMIGTO2310**



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

#### **Dimensions with Cables**

## **HMIGTO2310**

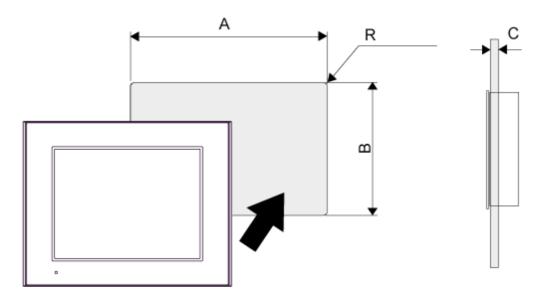


- 1 Left Side
- 2 Rear
- 3 Right Side
- 4 Top
- 5 Bottom

## Mounting and Clearance

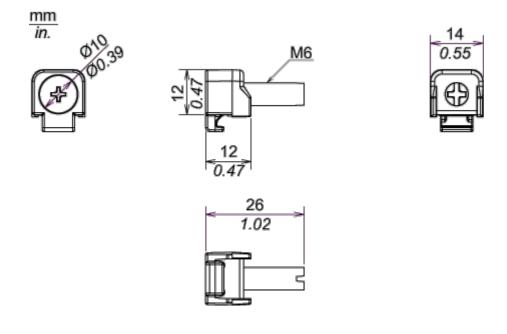
## Mounting

### **Panel Cut Dimensions**



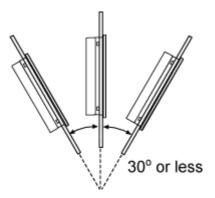
Α		В		C		R	
mm	in.	mm	in.	mm	in.	mm	in.
156 (+1, -0)	6.14 (+0.04, -0)	123.5 (+1, -0)	4.86 (+0.04, -0)	1.65	0.060.2	3 max.	0.12 max.

### **Installation Fastener Dimensions**



## **Installation Requirements**

### **Mounting Angle**



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

#### Clearance

