

# Product data sheet

Specifications



advanced touchscreen panel,  
Harmony GTO, 320 x 240pixels  
QVGA, 5.7inch TFT, 96MB

HMIGTO2310

Product availability: Stock - Normally stocked in distribution facility

**Price\*: 2,020.00 USD**

## 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 internal RAM 100 days 5 day(s) 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 77 °F (25 °C)
Brightness	16 levels by touch panel 16 levels 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	19.2...28.8 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 offline Status LED green, steady operating Status LED orange, flashing software starting up Status LED red, steady power supply (ON) Status LED clear, faded power supply (OFF) COM2 LED yellow, steady data is being transmitted COM2 LED yellow, faded no data transmission SD card LED green, steady card is inserted SD card LED green, faded card is not inserted or is not being accessed

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Software designation</b>	Vijeo Designer configuration software >= V6.1
<b>Memory description</b>	Flash EPROM, 96 MB
<b>Data backed up</b>	512 KB internal RAM SRAM)
<b>Data storage equipment</b>	SD card, <= 32 GB SDHC card, <= 32 GB
<b>Downloadable protocols</b>	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
<b>Integrated connection type</b>	COM1 serial link SUB-D 9 RS232C 2400...115200 bps COM2 serial link RJ45 RS485 2400...115200 bps COM2 serial link RJ45 RS485 187.5 kbps Siemens MPI Ethernet RJ45 10BASE-T/100BASE-TX Ethernet RJ45 IEEE 802.3 USB 2.0 type A USB 2.0 type mini B
<b>Product mounting</b>	Flush mounting
<b>Fixing mode</b>	by 4 screw clamps
<b>Front material</b>	PPT
<b>Enclosure Material</b>	PPT
<b>Type of cooling</b>	Natural convection
<b>Width</b>	6.7 in (169.5 mm)
<b>Height</b>	5.4 in (137 mm)
<b>Depth</b>	2.3 in (59.5 mm)
<b>Net Weight</b>	1.8 lb(US) (0.8 kg)

## Environment

<b>Standards</b>	IEC 61000-6-2 UL 508 IEC 61131-2
<b>Product Certifications</b>	cULus C-tick CE KCC UKCA UKEX
<b>Ambient Air Temperature for Operation</b>	32...131 °F (0...55 °C)
<b>Ambient air temperature for storage</b>	-4...140 °F (-20...60 °C)
<b>Relative humidity</b>	10...90 % without condensation
<b>Operating altitude</b>	< 6561.68 ft (2000 m)
<b>IP degree of protection</b>	IP20 IEC 60529 rear panel) IP65 IEC 60529 front panel)
<b>NEMA degree of protection</b>	NEMA 4X front panel (indoor use)
<b>Shock resistance</b>	147 m/s <sup>2</sup> 3 chocks in each direction X, Y and Z IEC 61131-2
<b>Vibration resistance</b>	3.5 mm 5...9 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - IEC 61131-2 1 gn 9...150 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - IEC 61131-2
<b>Resistance to electrostatic discharge</b>	6 kV contact discharge IEC 61000-4-2 level 3

## Ordering and shipping details

Category	US10MC222569
Discount Schedule	0MC2
GTIN	3595864150246
Returnability	Yes
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.709 in (14.500 cm)
Package 1 Width	7.283 in (18.500 cm)
Package 1 Length	9.252 in (23.500 cm)
Package 1 Weight	2.326 lb(US) (1.055 kg)
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	11.023 lb(US) (5.000 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	64
Package 3 Height	41.339 in (105.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	47.244 in (120.000 cm)
Package 3 Weight	220.462 lb(US) (100.000 kg)

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class 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](#)

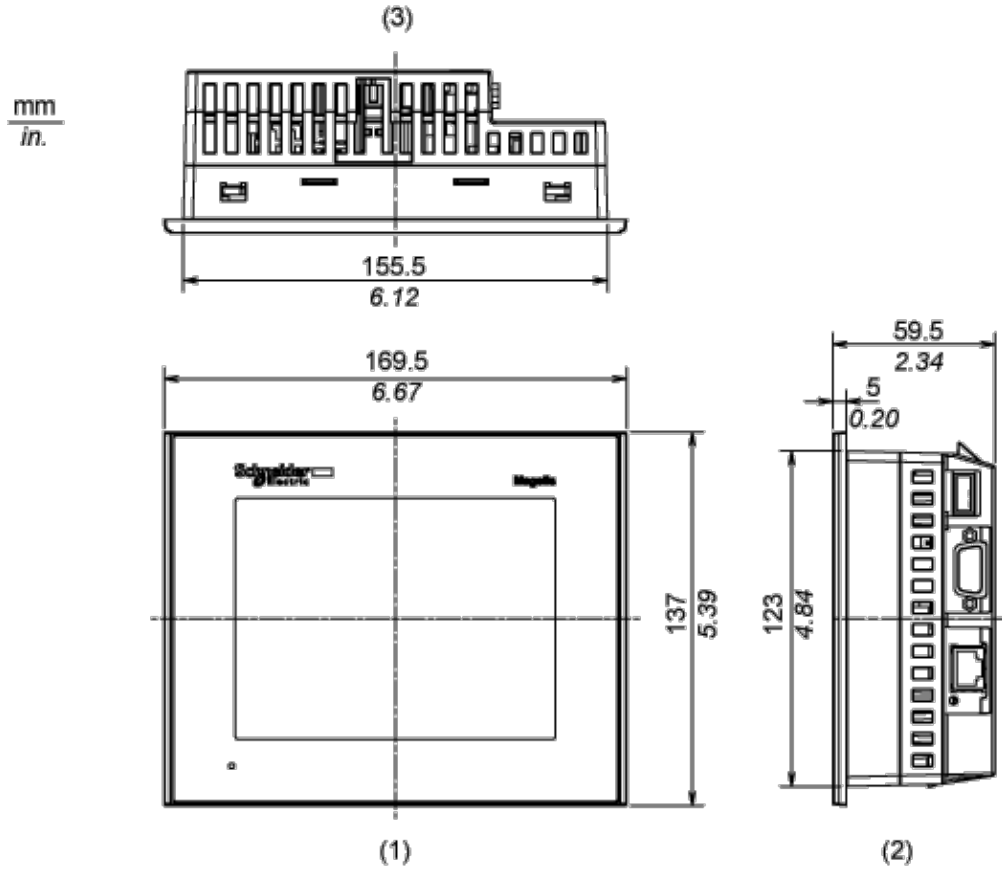
California Proposition 65 WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Dimensions Drawings

Dimensions

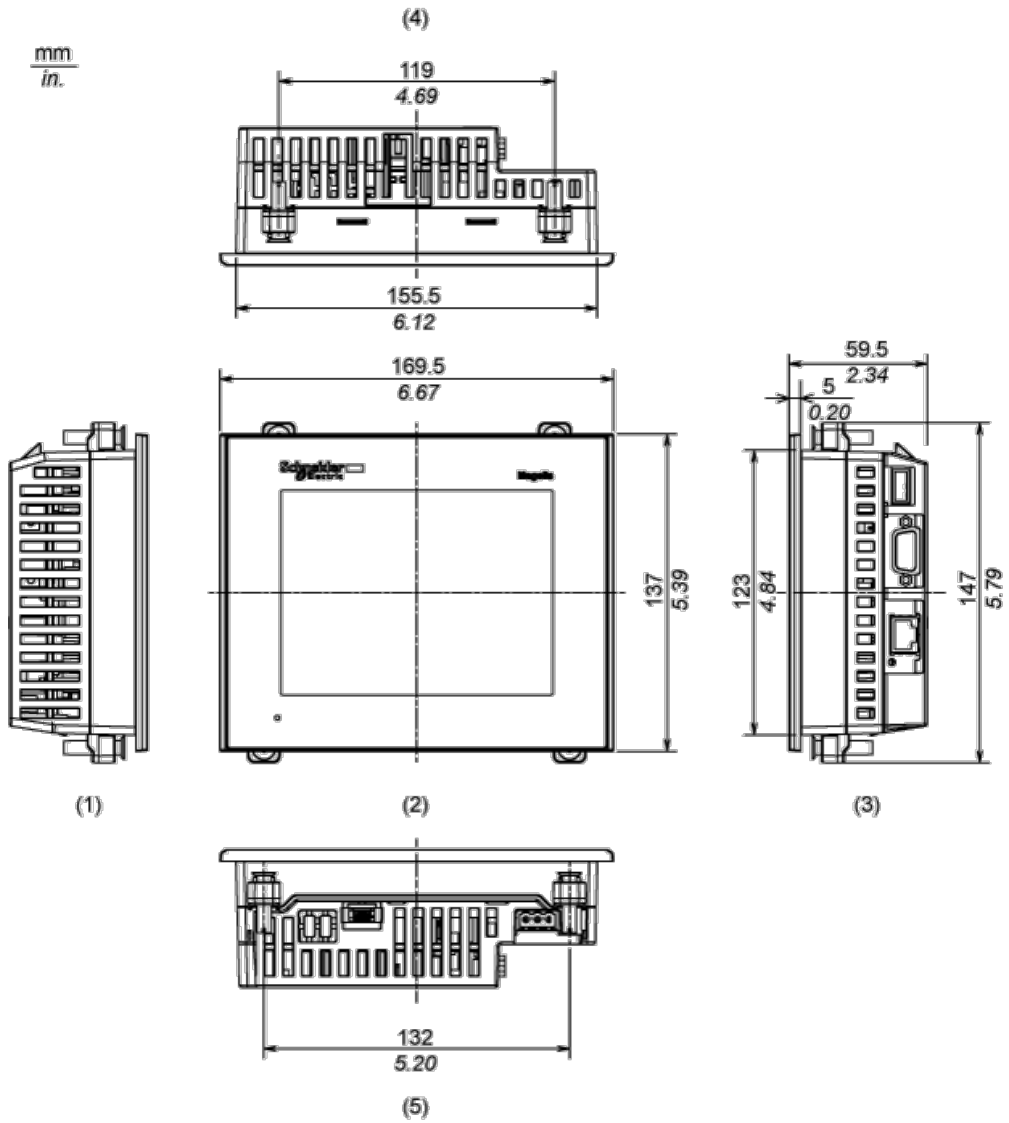
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External Dimensions



- 1 Front
- 2 Right Side
- 3 Top

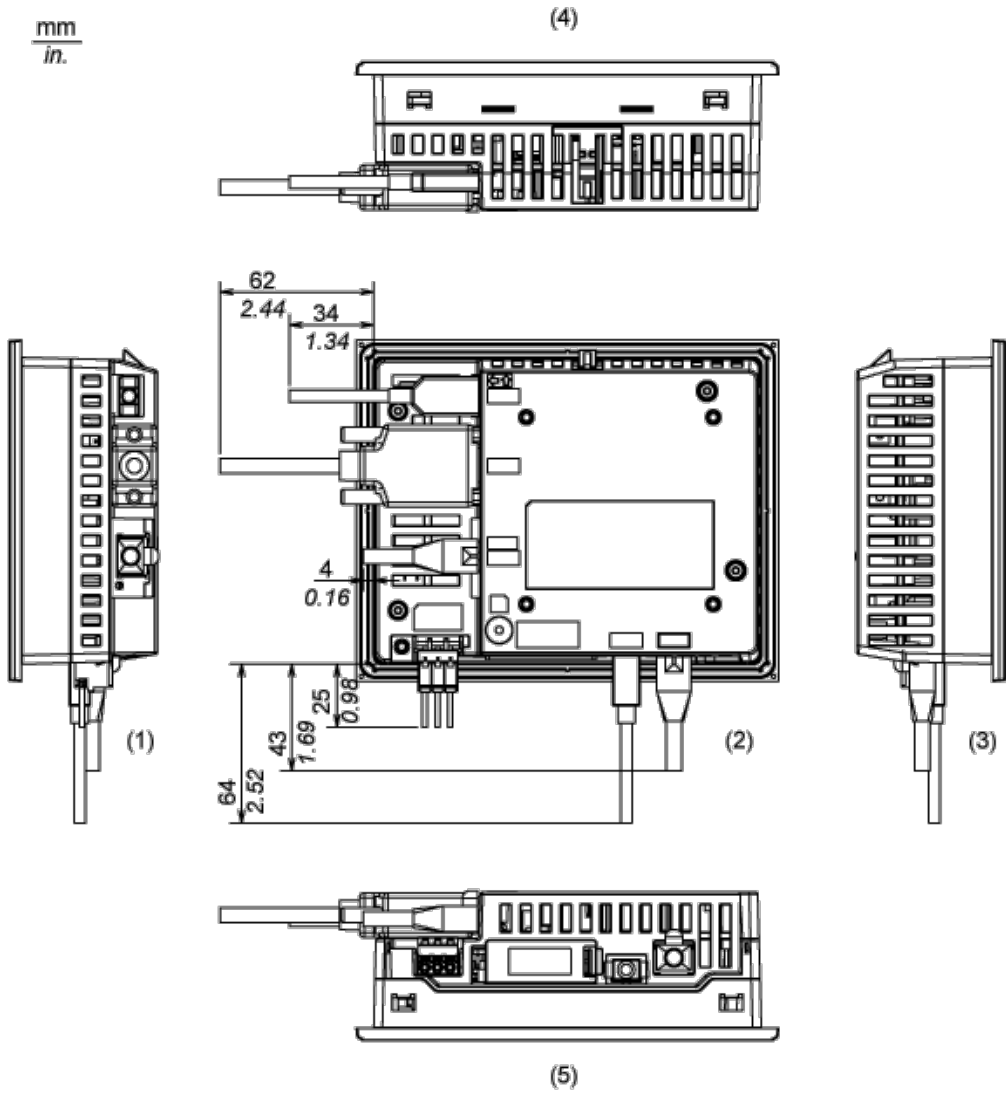
Installation with Installation Fasteners



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

Dimensions with Cables

mm  
in.

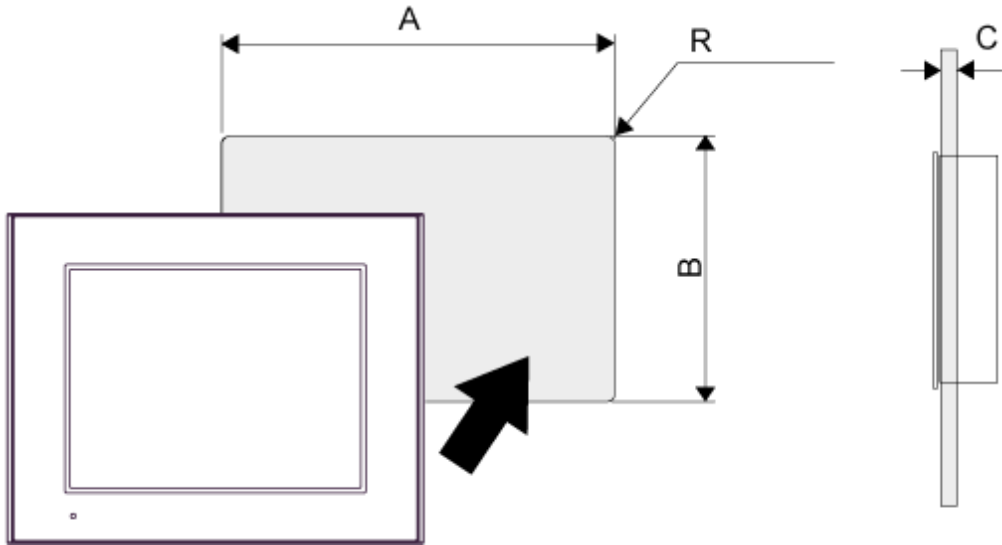


- 1 Left Side
- 2 Rear
- 3 Right Side
- 4 Top
- 5 Bottom

Mounting and Clearance

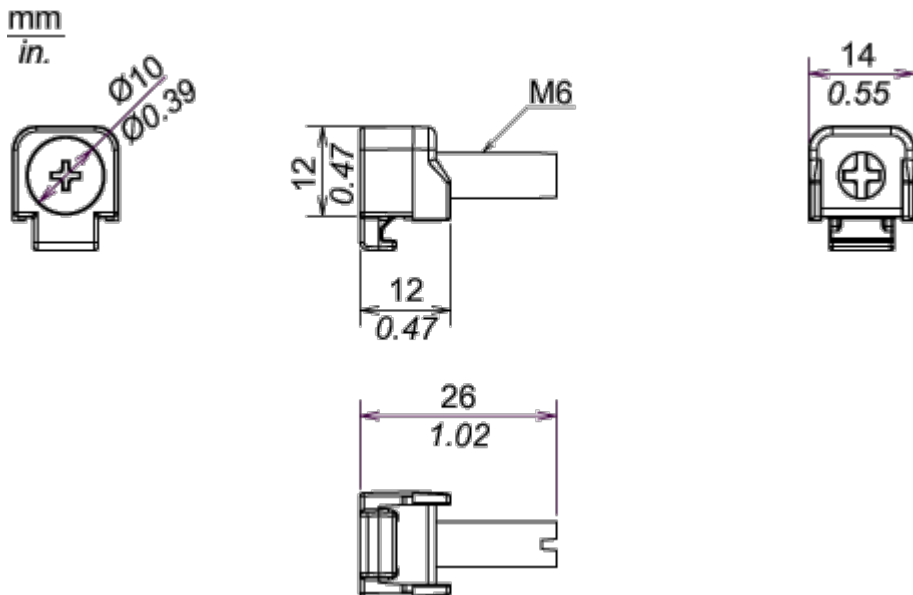
Mounting

Panel Cut Dimensions



A		B		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)	1.6...5	0.06...0.2	3 max.	0.12 max.

Installation Fastener Dimensions

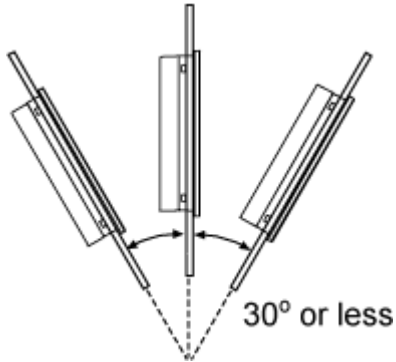




**Installation Requirements**

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**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**

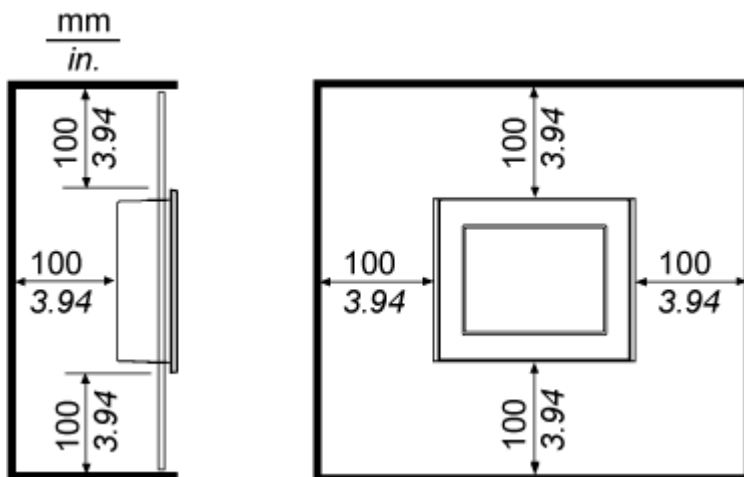


Image of product / Alternate images

Alternative

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