

# Product data sheet

Specifications



touch panel screen, Harmony ST6,  
12inch wide display, 2Ethernet, USB  
host and device, 24V DC

HMISTW6600

## Main

|                           |                            |
|---------------------------|----------------------------|
| Range Of Product          | Harmony ST6                |
| Product Or Component Type | Touch panel screen         |
| Software Designation      | Web interface for operator |
| Processor Name            | ARM Cortex-A8              |

## Complementary

|                            |  |
|----------------------------|--|
| Display Size               | 12 inch  |
| Display Type               | Colour TFT LCD   |
| Display Colour             | 16 million colours   |
| Display Resolution         | 1280 x 800 pixels WXGA   |
| Touch Panel                | Single touch analogue resistive  |
| Backlight Lifespan         | 50000 hours with white   |
| Brightness                 | 16 levels  |
| Character Font             | ASCII<br>ASCII (European characters)<br>Katakana   |
| [Us] Rated Supply Voltage  | 24 V DC (+/- 20 %)   |
| Inrush Current             | 30 A   |
| Local Signalling           | Status LED green, steady for offline<br>Status LED green, steady for operating<br>Status LED green, flashing for operating<br>Status LED green, faded for stand-by<br>Status LED orange, flashing for software starting up<br>Status LED red, steady for power supply (ON)<br>Status LED red, flashing for operating<br>Status LED red, off for power supply (OFF) |
| Power Consumption In W     | 18.4 W   |
| Processor Frequency        | 800 MHz  |
| Port Ethernet              | 10/100BASE   |
| Memory Description         | 512 MB device memory<br>512 MB backup memory<br>128 kB user data memory  |
| Integrated Connection Type | 1 USB 2.0 type Aback<br>1 Ethernet - female RJ45bottom   |
| Supply                     | External supply  |
| Realtime Clock             | Built-in 0...50 °C<br>Built-in 10...90 % RH  |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                    |  |
|--------------------|--|
| Fixing Mode        | By 4 screws, mounting on 1.6...5 mm thick panel conforming to UL 61010-2-201<br>By 4 screws conforming to IEC 61131-2<br>By 4 screws conforming to IEC 61000-6-2 |
| Enclosure Material | PC   |
| Front Material     | Aluminium  |
| Marking            | CE   |
| Cut-Out Dimensions | 295 x 217 mm panel cut dimension   |
| Height             | 235 mm   |
| Width              | 313 mm   |
| Depth              | 50 mm  |
| Net Weight         | 1.8 kg   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Immunity To Microbreaks               | 10 ms   |
| Standards                             | IEC 61000-6-4<br>IEC 61000-6-2<br>IEC 61131-2<br>UL 61010-2-201<br>CSA C22.2 No 61010-2-201   |
| Product Certifications                | CSA<br>CE<br>UKCA   |
| Directives                            | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility  |
| Ambient Air Temperature For Operation | 0...50 °C   |
| Ambient Air Temperature For Storage   | -20...60 °C   |
| Relative Humidity                     | 10...90 % non-condensing  |
| Operating Altitude                    | 2000 m  |
| Ip Degree Of Protection               | IP20 (rear panel) conforming to IEC 61131-2<br>IP65 (front panel) conforming to IEC 61131-2   |
| Nema Degree Of Protection             | NEMA 4 front panel (indoor use)<br>NEMA 13 front panel (in enclosure)   |
| Shock Resistance                      | 147 m/s² for 11 ms (X, Y, Z directions for 3 times) conforming to IEC 61131-2   |
| Vibration Resistance                  | +/- 3.5 mm (f = 5...9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) conforming to IEC 61131-2<br>9.8 m/s² (f = 9...150 Hz)   |
| Electromagnetic Compatibility         | Electrical fast transient/burst immunity test - test level: 2 kV (power ports) conforming to IEC 61000-4-4<br>Electrical fast transient/burst immunity test - test level: 1 kV (signal ports)<br>Electrostatic discharge immunity test - test level: 6 kV (contact discharge) conforming to IEC 61000-4-2 level 3<br>Electrostatic discharge immunity test - test level: 8 kV (air discharge) |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type Of Package 1       | PCE      |
| Number Of Units In Package 1 | 1        |
| Package 1 Height             | 12.95 cm |
| Package 1 Width              | 30.73 cm |
| Package 1 Length             | 40.39 cm |
| Package 1 Weight             | 2.31 kg  |

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 2       | CAR       |
| Number Of Units In Package 2 | 4         |
| Package 2 Height             | 34 cm     |
| Package 2 Width              | 41 cm     |
| Package 2 Length             | 54 cm     |
| Package 2 Weight             | 10.334 kg |
| Unit Type Of Package 3       | P12       |
| Number Of Units In Package 3 | 16        |
| Package 3 Height             | 48.5 cm   |
| Package 3 Width              | 80 cm     |
| Package 3 Length             | 120 cm    |
| Package 3 Weight             | 53.336 kg |

## Sustainability

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Transparency   RoHS/REACH

## Well-being performance



Mercury Free



RoHS Exemption Information

Yes

## Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu RoHS Directive

Compliant with Exemptions

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

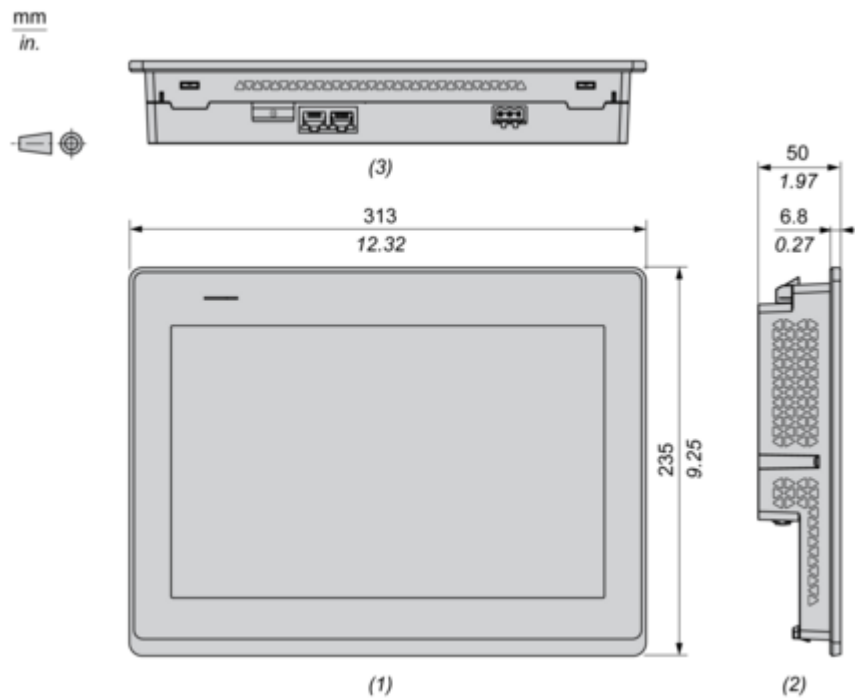
California Proposition 65

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)

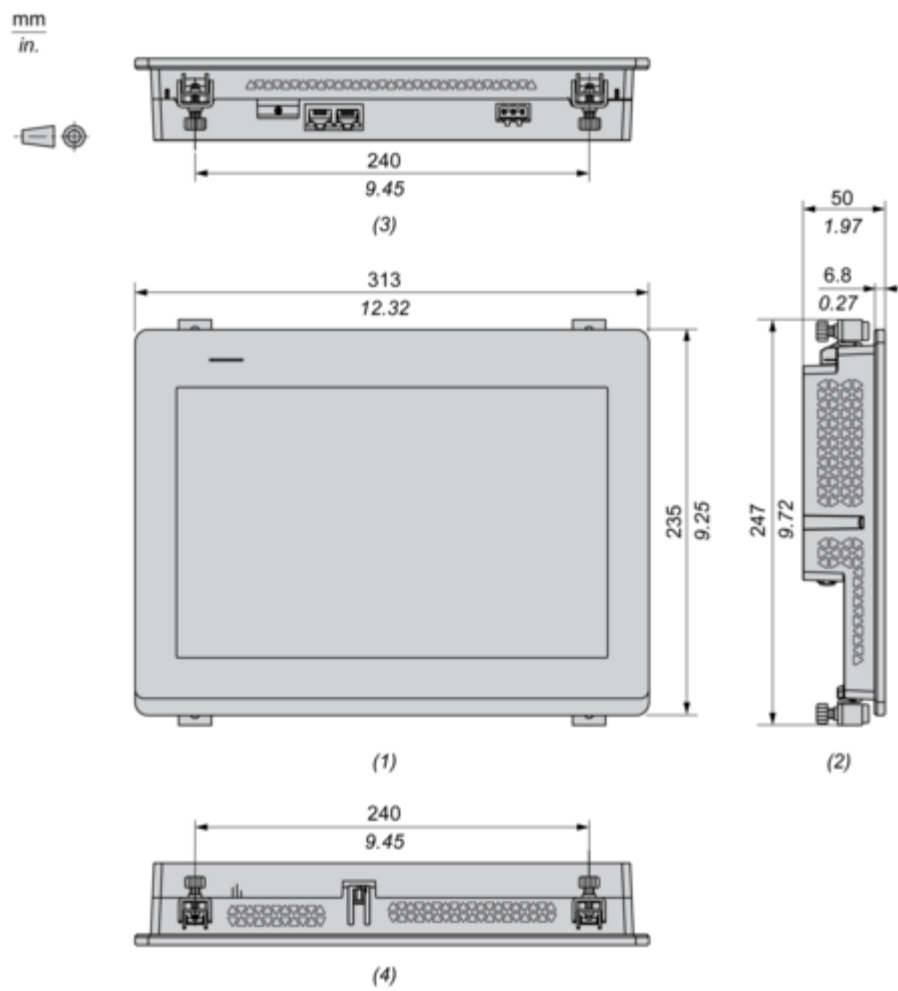
Dimensions Drawings

Dimensions

External Dimensions

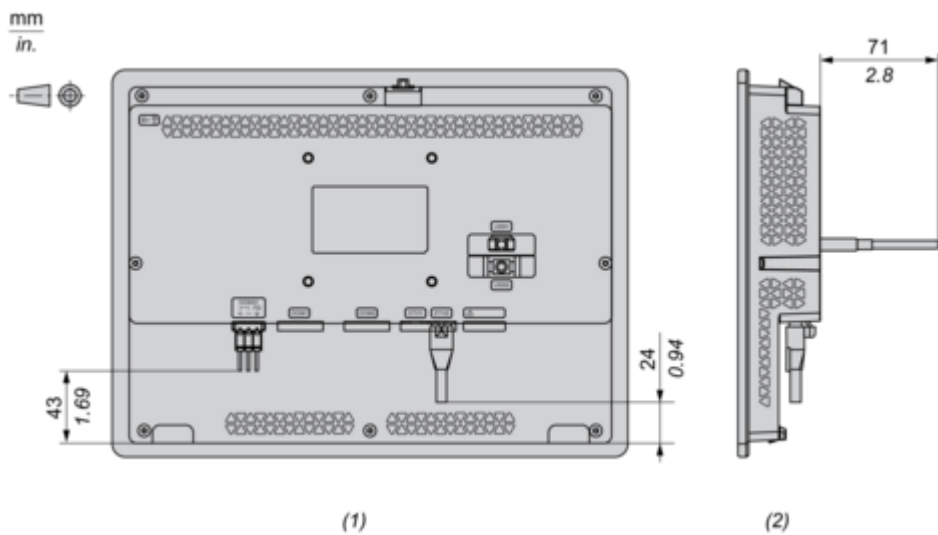


Dimensions with Installation Fasteners



- (1) : Front
- (2) : Left
- (3) : Bottom
- (4) : Top

Dimensions with Cables

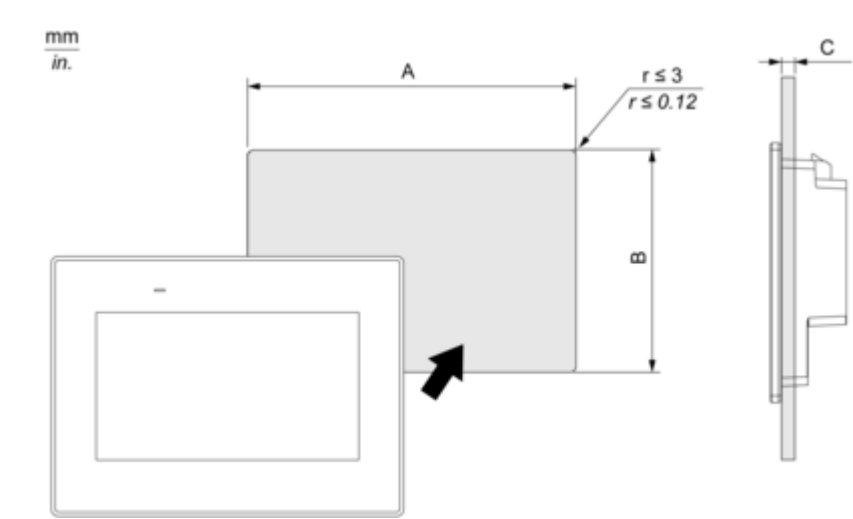


- (1) : Rear
- (2) : Right

Mounting and Clearance

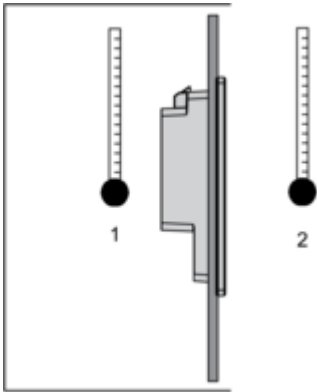
Mounting

Panel Cut Dimensions

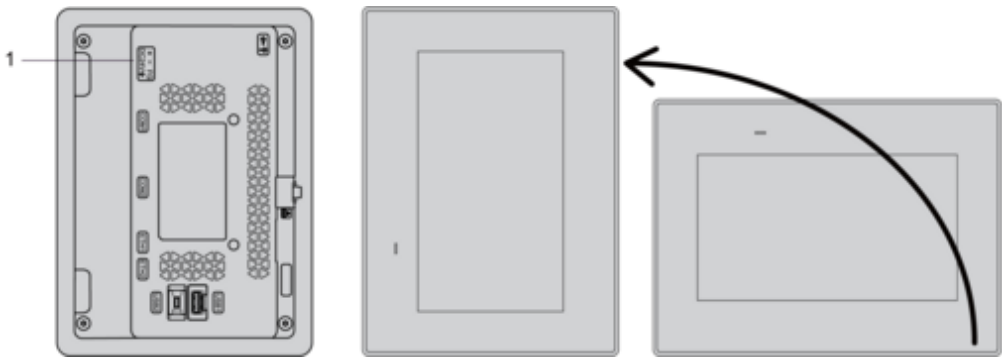


| A            |                   | B            |                  | C       |            |
|--------------|-------------------|--------------|------------------|---------|------------|
| mm           | in.               | mm           | in.              | mm      | in.        |
| 295 (+1, -0) | 11.61 (+0.04, -0) | 217 (+1, -0) | 8.54 (+0.04, -0) | 1.6...5 | 0.06...0.2 |

Installation Requirements

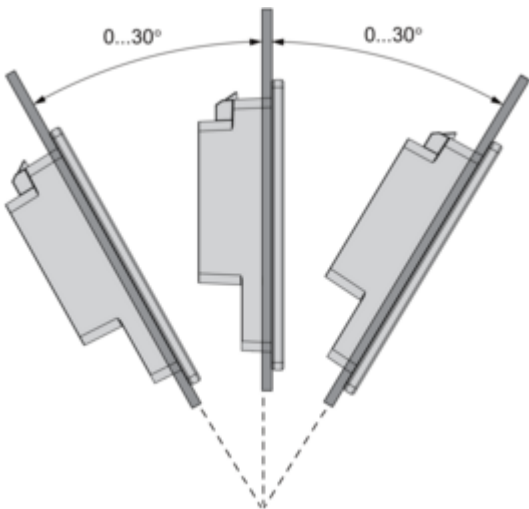


- 1 : Internal temperature
- 2 : External temperature



- 1 : Power connector

Mounting Angle



Clearance



