

Product Information

# Touch Panel

## HMI1000P



(valid from HMI-version HMI1000P-03)

### Changes to older versions of this document

**Rev. 01** → **02**: adapted to serial delivery version 2012

**Rev. 02** → **03**: new front foil, new images, new design line, connectors added

## Description

Panel with TFT-color touch display

- HMI1000P 10,2" TFT  
(800x480 pixel / WVGA))

### Standard configuration:

- Ethernet with  
- RFC1006,
- Micro-SD-slot  
- for SD-cards up to  
8 GByte
- Status LEDs for  
Power, Battery, Error, Run
- Inserting stripes for Logo  
and identification  
(thereby customized  
adaption possible easy)

### Scope of delivery:

- mounting set
- technical information
- brief instruction

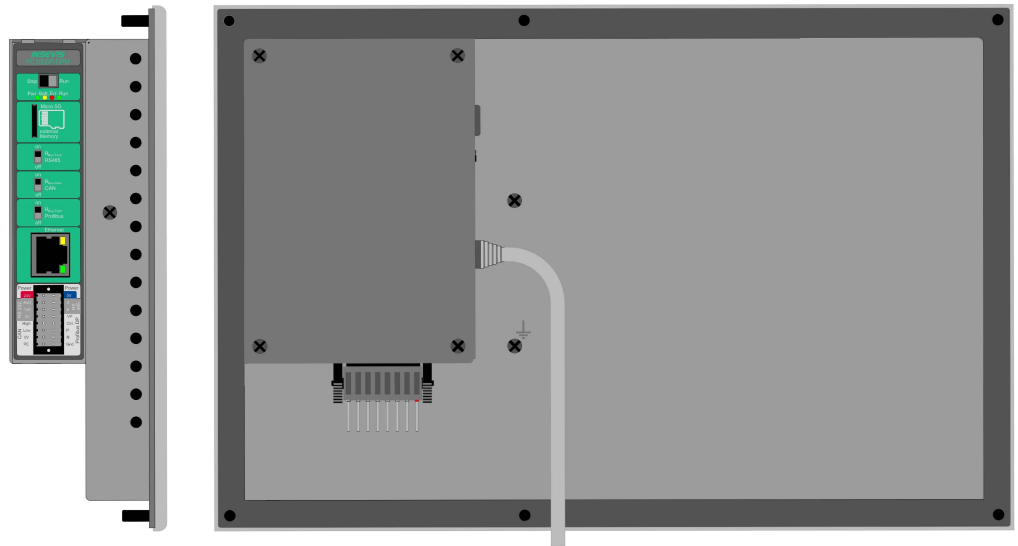


Figure above: Panel HMI1000P device rear view and view from the side

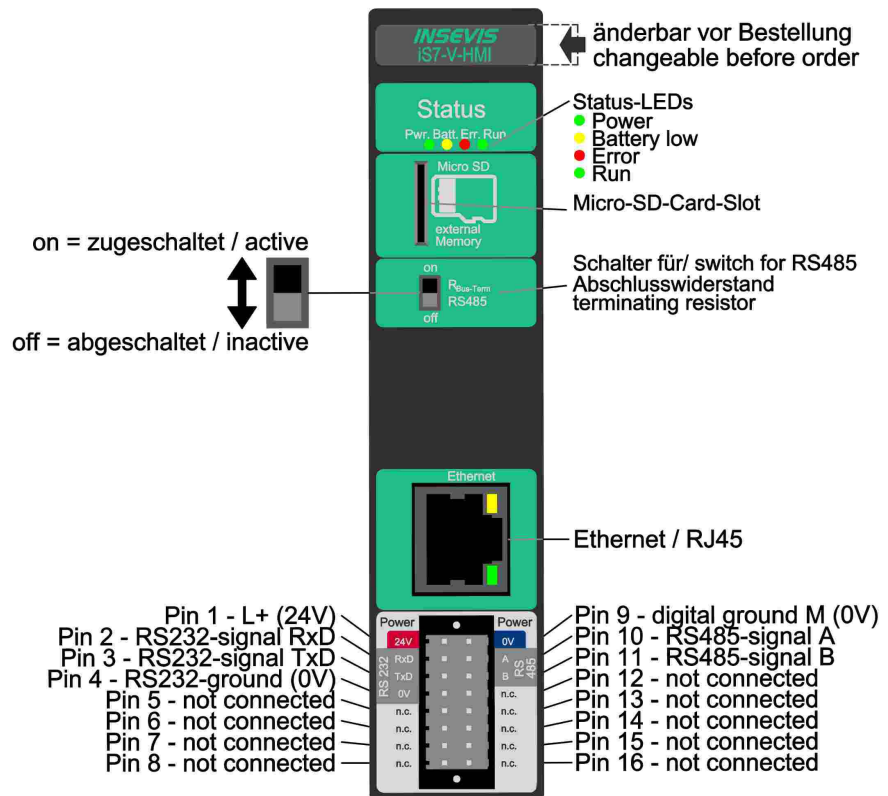


Figure above: Description of connections of all Panels with CPUs of type V or P

Technical data	
Dimensions W x H x D (mm)	286 x 188 x 95
Cut out W x H (mm)	262 x 165,5
Weight	ca. 1000 g
Operating temperature range	-20°C ... +60°C (without condensation)
Storage temperature range	-30°C ... +80°C
IP-protection class front panel	IP65
rear side	IP41
Connection technology	connector with pin-marked pushers and 2 lift-arms or 2x bolt flanges on side (cage clamp technology) for cross sections up to max. 1,5mm <sup>2</sup>
Load voltage L+	24V DC (11 V ... 30V DC)
Current consumption	100mA ... 800mA
Power dissipation	4W(typ.) 10W(max.)
Start-up current	< 3A
Diagonal of display (inch)	10,2" (259mm)
Display resolution (pixel)	800x480 Pixel (WVGA)
Display unit	TFT display with 16Bit colours
Operating unit	analog resistive touch screen
Visualization software	VisuStage
Reference unit	PC1000

Technical data	CPU
CPU-type	<b>CPU type P (HMI1000P)</b>
Flash internal - for visualization external memory	24 MByte Micro SD, up to max. 8 GByte
Real-time clock	yes (accumulator-backed hardware clock)
Serial interfaces (protocols)	COM2: RS 485 (only physical - protocols on demand)
Ethernet (protocols)	ETHERNET: 10/100 Mbit (RFC1006)

### Control panel cut out

**Dimensions**

Cut out  
W x H (mm) 262 x 165,5  
10 holes with D 4,5mm

Mounting depth  
ca. 50mm max.

Wiring outlet  
- RJ45 to the right  
- connector 2x16 to the bottom  
(rear view and horizontal mounting)

- RJ45 to the bottom and  
- connector 2x16 to the left  
(rear view and vertical mounting)

The drawing shows a rectangular cut out with overall dimensions of 262 mm width and 165.5 mm height. There are 10 holes arranged in two rows of five. The top row of holes is 7.5 mm from the top edge. The bottom row of holes is 89 mm from the bottom edge. The distance between the two rows of holes is 89 mm. The distance between the first and second holes in each row is 92 mm. The distance from the center of the first hole to the left edge is 7 mm. The distance from the center of the last hole to the right edge is 7 mm. The diameter of each hole is 4.5 mm.

**Drill jig**

An 1:1 pattern as drill jig is available as PDF at INSEVIS web site for this product  
Print it 1:1 and use it for marking the cut out.

## Ordering data devices

Identification	Order-no.	Packaging unit
Touchpanel <b>HMI1000P</b>	HMI1000P-02	PU: 1 piece

## Ordering data accessoires

Identification / Order-No.	Identification / Order-No.
Connector 2x8pin / E-CON(S)16-00	Mounting / grounding set for 10,2"-devices * / E-MNT10-00 (PU10)
Micro SD-card 1GB (external memory) / E-MSD1-00	Micro SD-card 4GB (external memory) / E-MSD4-00
Micro SD-card 2GB (external memory) / E-MSD2-00	Micro SD-card 8GB (external memory) / E-MSD8-00
OEM-Firmware with customized logo included / SW-BS-OEM	OEM-inserting stripe H for logo + identification for rear side (PU100)

\* (1x already part of first deliveries scope)

### Qualified personnel

All devices described in this manual may only be used, built up and operated together with this documentation. Installation, initiation and operation of these devices might only be done by instructed personnel with certified skills, who can prove their ability to install and initiate electrical and mechanical devices, systems and current circuits in a generally accepted and admitted standard.

### Manuals, sample programs

Additional documentation by manuals is available as well sample applications at the download area of [www.insevis.com](http://www.insevis.com) in English language for free download.

### Copyright

This and all other documentation and software, supplied or hosted on INSEVIS web sites to download are copyrighted. Any duplicating of these data in any way without express approval by INSEVIS GmbH is not permitted. All property and copy rights of these documentation and software and every copy of it are reserved to INSEVIS GmbH.

### Trade Marks

INSEVIS refers that all trade marks of particular companies used in own documentation are reserved trade marks are property of the particular owners and are subjected to common protection of trade marks.

### Disclaimer

All technical details in this documentation were created by INSEVIS with highest diligence. Anyhow mistakes could not be excluded, so no responsibility is taken by INSEVIS for the complete correctness of this information. This documentation will reviewed regularly and necessary corrections will be done in next version. With publication of this data all other versions are no longer valid.

With publication of this information all other versions are no longer valid.