

Product Information

Touch Panel

HMI350V

HMI350P



(valid from HMI-version HMI350x-xxx-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-PLC with TFT-color touch display

- HMI350V/P
3,5" TFT (320x240 pixel)

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

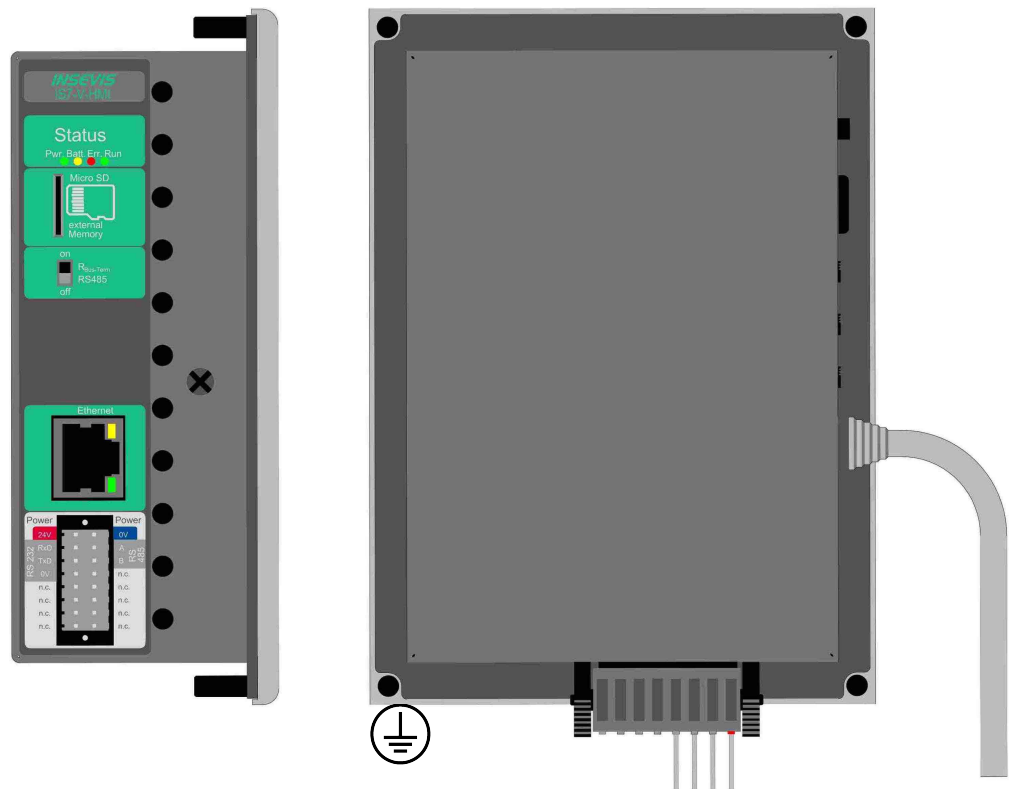


Figure above: Panel HMI350V device rear view and view from the side

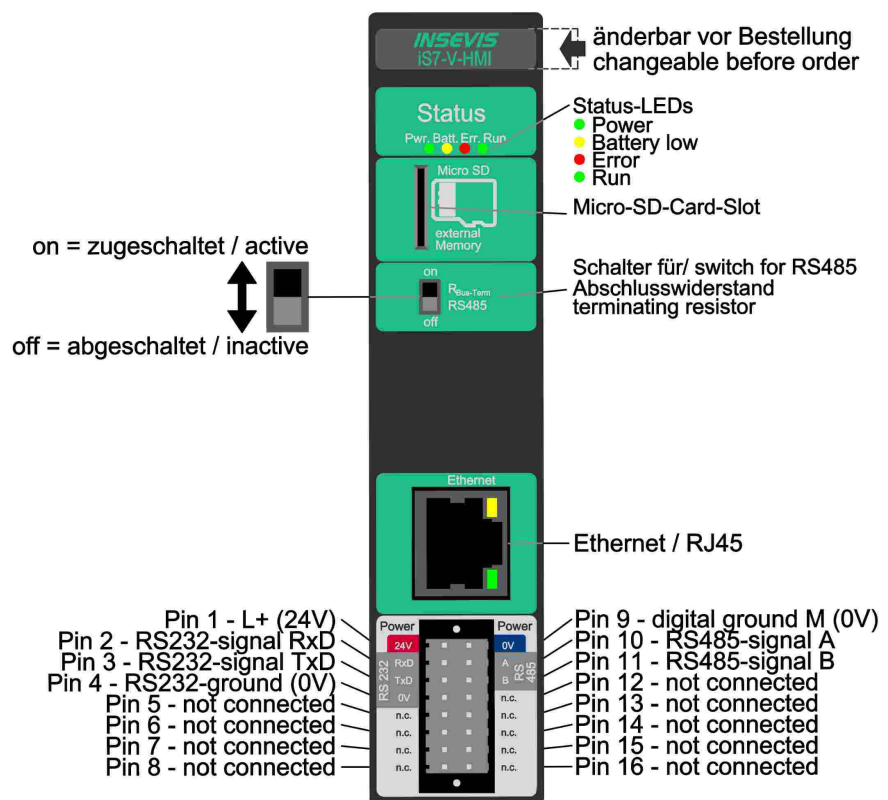


Figure above: Description of connections of all Panels with CPU-types V and P

Technical data	
Dimensions W x H x D (mm) Cut out W x H (mm) Weight	132 x 96 x 49 118 x 89 ca. 450 g
Operating temperature range Storage temperature range	-20°C ... +60°C (without condensation) -30°C ... +80°C
IP-protection class front panel rear side	IP65 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 ²
Load voltage L+	24V DC (11 V ... 30V DC)
Current consumption Power dissipation	20 mA ... 350 mA 1,5 W (typ.), 4,2 W (max.)
Start-up current	< 3A
Diagonal of display (inch) Display resolution (pixel)	3,5" (89mm) 320x240 pixel (QVGA)
Display unit Operating unit	TFT display with 16Bit colours analog resistive touch screen
Visualization software Reference unit	VisuStage PC350

Technical data	CPUs	
CPU-type	Type V (HMI350V)	Type P (HMI350P)
Flash internal - for visualization external memory	4 MByte Micro SD, up to max. 8 GByte	24 MByte Micro SD, up to max. 8 GByte
Real-time clock	yes (accumulator-backed hardware clock)	
Seriell interfaces (protocols)	COM2: RS 485 (only physical - protocols on demand)	
Ethernet (protocols)	ETHERNET: 10/100 Mbit (RFC1006)	

Control panel cut out	
<p>Dimensions</p> <p>Cut out W x H (mm) 118 x 84 4 holes with D 4,5mm</p> <p>Mounting depth ca. 49mm max.</p> <p>Wiring outlet - to the right (rear view and horizontal mounting) - down (rear view and vertical mounting)</p> <p>Drill jig</p> <p>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.</p>	<p>The drawing shows a rectangular cut out with a width of 118 mm and a height of 84 mm. There are four circular holes, each with a diameter of 4.5 mm, located at the corners. The distance from the left edge to the center of the left holes is 3.5 mm. The distance from the right edge to the center of the right holes is 3.5 mm. The distance from the top edge to the center of the top holes is 2.5 mm. The distance from the bottom edge to the center of the bottom holes is 2.5 mm. The overall width including the hole offsets is 125 mm, and the overall height including the hole offsets is 89 mm.</p>

Ordering data devices

Identification	Order-no.	Packaging unit
Touchpanel HMI350V	HMI350V-02	PU: 1 piece
Touchpanel HMI350P	HMI350P-02	PU: 1 piece

Ordering data accessoires

Identification / Order-No.	Identification / Order-No.
Connector 2x8pin / E-CON(S)16-00	Mounting/ grounding set 3,5"-devices * / E-MNT35-00 (PU10 pcs.)
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 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.