

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
- Rev. 03** → **04**: Information for disposal of old equipment

Description

Panel-PLC with TFT-color touch display

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

Standard configuration:

Ethernet as 2port switch
S7-connection (Put/Get)
Setup of own and partner IP-addresses and TSAP in VisuStage-project or in HMI-BIOS

to communicate with Siemens.-CPUs via their integrated Profinet/industrial Ethernet interface (allow Put/Get!)

Micro-SD-slot
for Micro-SD-cards up to 8GB
(for archives and recepies only)

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

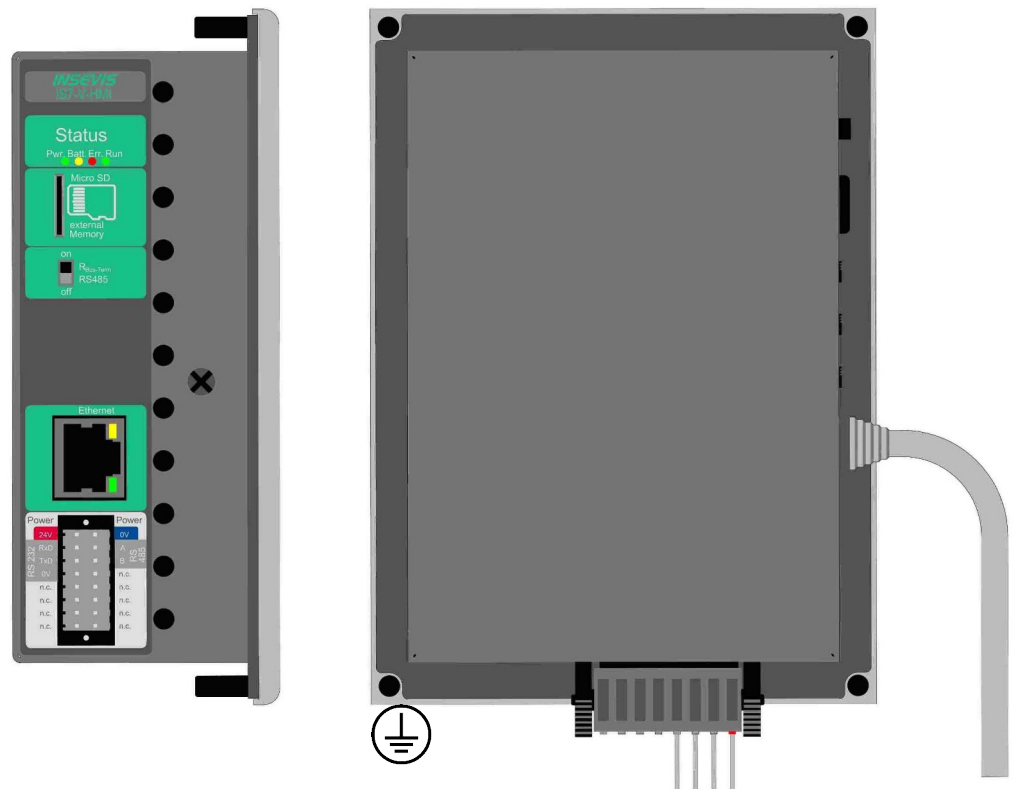


Figure above: Panel HMI350V device rear view and view from the side

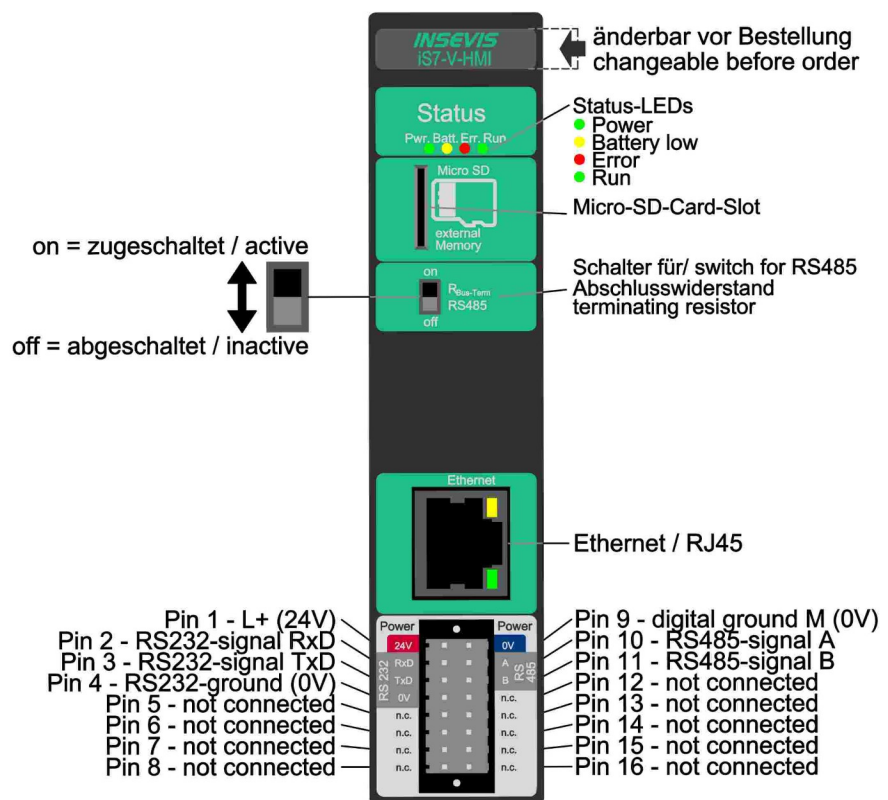


Figure above: Description of connections of all Panels with CPU-types V and P

Technical data	
Dimensions W x H x D (mm)	132 x 96 x 49
Cut out W x H (mm)	118 x 89
Weight	ca. 450 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 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	20 mA ... 350 mA
Power dissipation	1,5 W (typ.), 4,2 W (max.)
Start-up current	< 3A
Diagonal of display (inch)	3,5" (89mm)
Display resolution (pixel)	320x240 pixel (QVGA)
Display unit	TFT display with 16Bit colours
Operating unit	analog resistive touch screen
Visualization software	VisuStage
Reference unit	PC350

Technical data	CPUs	
CPU-type	Type V (HMI350V)	Type P (HMI350P)
Flash		
internal - for visualization	4 MByte	24 MByte
external memory	Micro SD, up to max. 8 GByte	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 89 mm. The inner cut out area is 118 mm wide and 84 mm high. There are four mounting holes, each with a diameter of 4.5 mm, located at the corners. 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 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 total distance between the centers of the left and right holes is 125 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 of accessoires

Identification / Order-No.	Identification / Order-No.
Connector 2x8pin (bolt flanges) / E-CONS16-00	Micro SD-card 2GB (external memory) / E-MSD2-00
Micro SD-card 4GB (external memory) / E-MSD4-00	Micro SD-card 8GB (external memory) / E-MSD8-00

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.

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Disposal



Do not throw old appliances in the household waste! In the interest of environmental protection, old appliances must be collected separately from unsorted municipal waste. You can find out more about the proper disposal / return of your old appliance at www.insevis.com/disposal.

Attention: The deletion of personal data on the old devices to be disposed of is the responsibility of the end user.

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