

## Product Information

# Touch Panel HMI700P



(valid from HMI-version HMI700P-03)

### Changes to older versions of this document

**In Rev. 2** changed: adapted to serial delivery version 2012

## Description

Panel with TFT-colour touch panel

- HMI700P 7" 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

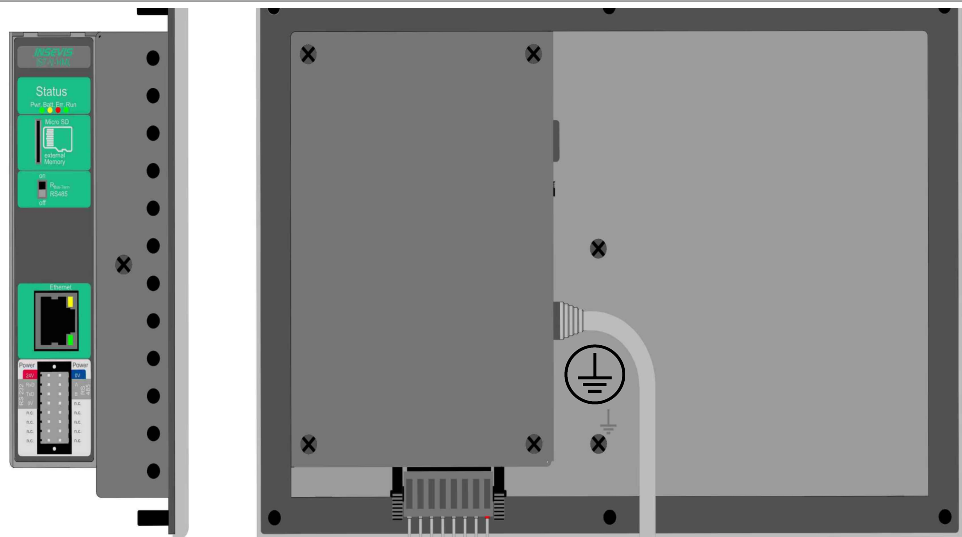


Figure above: Panel HMI700P device rear view and view from the side

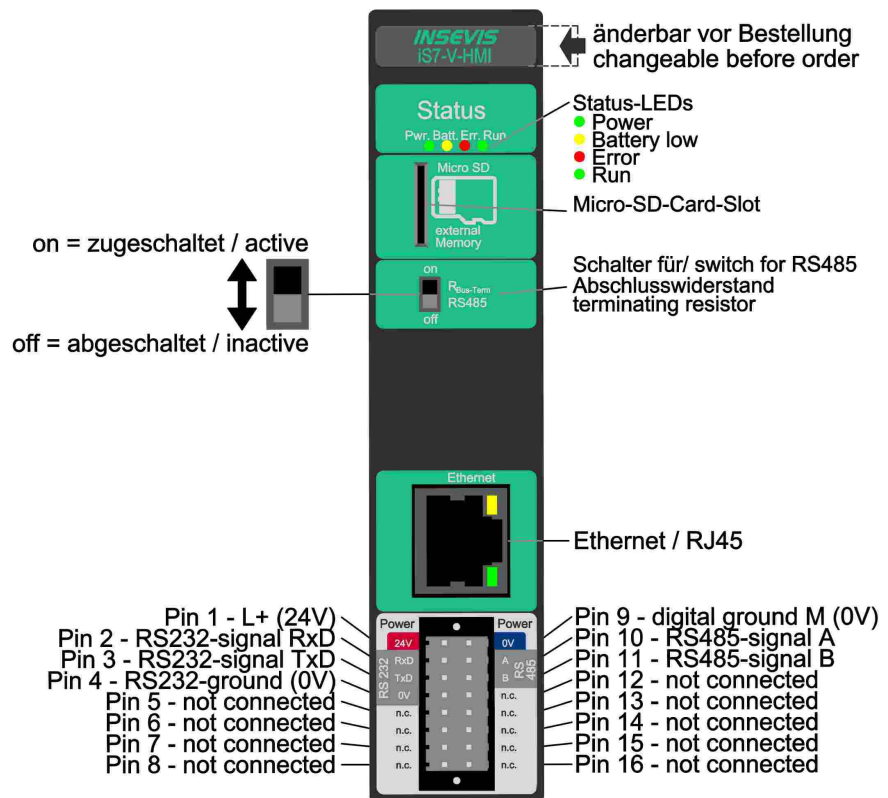


Figure above: Description of connections of all Panels with CPUs of type V and P

Technical data	
Dimensions W x H x D (mm)	222 x 147 x 49
Cut out W x H (mm)	203 x 126
Weight	ca. 800 g
Operating temperature range	-20°C ... +60°C (without condensation)
Storage temperature range	-30°C ... +80°C
IP-protection class front panel rear side	IP65 IP41
Connection technology	unlockable connector with self-lock and 2 lift-arms (cage clamp technology) for cross section up to max. 1,5mm <sup>2</sup>
Load voltage L+	24V DC (11 V ... 30V DC)
Current consumption	100mA ... 750mA
Power dissipation	3W(typ.) 10W(max.)
Start-up current	< 3A
Diagonal of display (inch)	7" (178mm)
Display resolution (pixel)	800x480 Pixel (WVGA)
Display unit	TFT display with 16Bit colours
Operating unit	analog resistive touch screen
Visualization software	VisuStage
Reference unit	PC700

Technical data	CPUs
CPU-type	<b>Type P (HMI700P)</b>
Flash internal - for visualization external memory	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	
<b>Dimensions</b>	
Cut out W x H (mm) 203 x 126 6 holes with D 4,5mm	
Mounting depth ca. 49mm max.	
Wiring outlet - RJ45: in the center to the right - connector 2x16 to the bottom (rear view and horizontal mounting)	
- RJ45: in the center down - connector 2x16 to the left (rear view and vertical mounting)	

## Documentation and samples



Internet: [www.insevis.de](http://www.insevis.de)  
 Box: Products / Panel-HMI  
 Download: TI-HMI xxxx.pdf  
 Box: Documentation  
 Download: Manual Panel-HMI.pdf



Internet: [www.insevis.de](http://www.insevis.de)  
 Box: Service  
 Panel-HMI  
 INSEVIS provides sample programs for each function, well documented for free download

## Ordering data devices

Identification	Order-no.	Packaging unit
Touchpanel <b>HMI700P</b>	HMI700P-02	PU: 1 piece

## Ordering data accessoires

Identification / Order-No.	Identification / Order-No.
Connector 2x8pin (for PLC) / E-CON16-00	VA- Drill jig for 7"-devices, stainless steel / E-DRL70-00
Mounting set for 5,7" / 7" -devices* / E-MNT57-00 (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
3D-doming label with custom logo for front side (PU100 pcs.)	Inserting stripe H for logo + identification for rear side (PU100 pcs.)
OEM-Firmware with customized logo included / SW-BS-OEM	

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

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