INSEVIS

Product Information

Touch Panel

HMI700P

(valid from HMI-version HMI700P-**03**)

Changes to older versions of this document

Rev. 03 → 04: 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**

- **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:
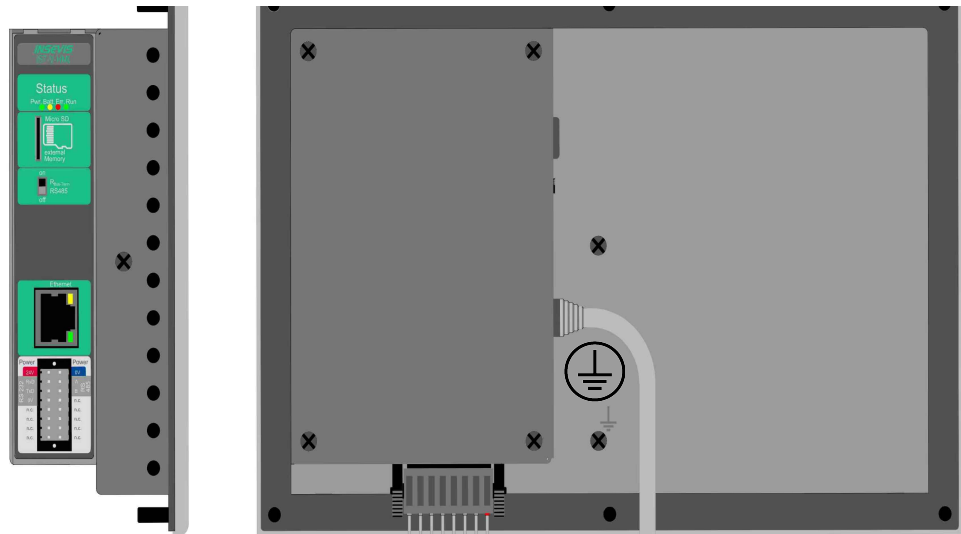 - mounting set
  - technical information
  - brief instruction

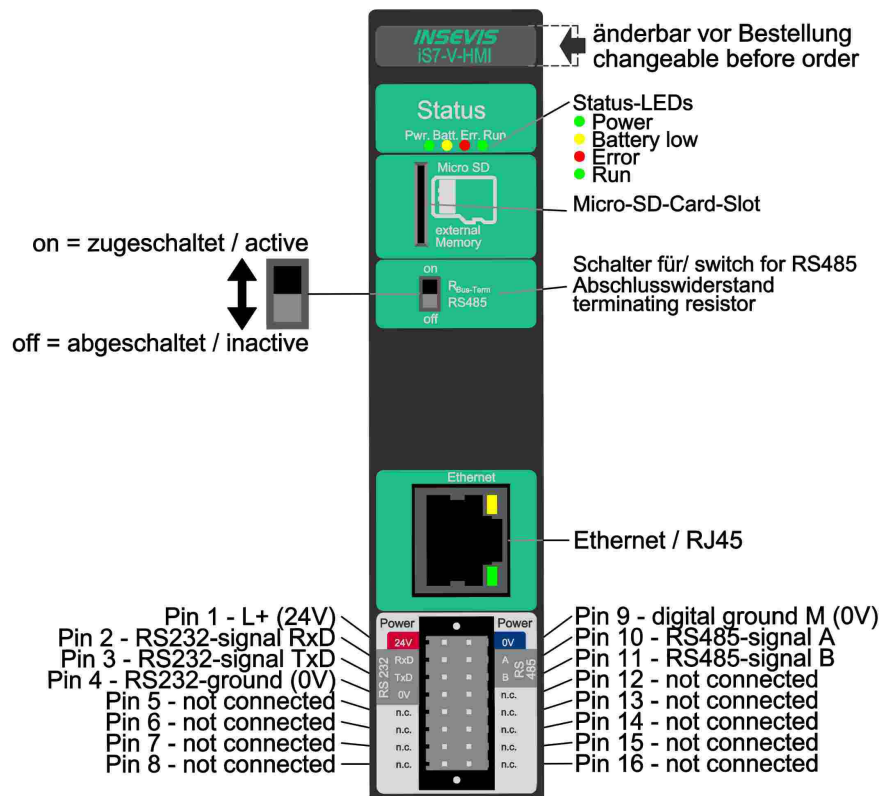*Figure above: Panel HMI700P device rear view and view from the side*

on = zugeschaltet / active

off = abgeschaltet / inactive

änderbar vor Bestellung
changeable before order

Status-LEDs
• Power
• Battery low
• Error
• Run

Micro-SD-Card-Slot

Schalter für/ switch for RS485
Abschlusswiderstand
terminating resistor

Ethernet / RJ45

Pin 1 - L+ (24V)
Pin 2 - RS232-signal RxD
Pin 3 - RS232-signal TxD
Pin 4 - RS232-ground (0V)
Pin 5 - not connected
Pin 6 - not connected
Pin 7 - not connected
Pin 8 - not connected

Pin 9 - digital ground M (0V)
Pin 10 - RS485-signal A
Pin 11 - RS485-signal B
Pin 12 - not connected
Pin 13 - not connected
Pin 14 - not connected
Pin 15 - not connected
Pin 16 - not connected

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

Technical data

Dimensions W x H x D (mm) Cut out W x H (mm) Weight	222 x 147 x 49 203 x 126 ca. 800 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. 1,5mm²
Load voltage L+	24V DC (11 V ... 30V DC)
Current consumption Power dissipation	100mA ... 750mA 3W(typ.) 10W(max.)
Start-up current	< 3A
Diagonal of display (inch) Display resolution (pixel)	7" (178mm) 800x480 Pixel (WVGA)
Display unit Operating unit	TFT display with 16Bit colours analog resisitive touch screen
Visualization software Reference unit	VisuStage PC700

Technical data — CPUs

CPU-type	**Type P** (HMI700**P**)

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) 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)

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 **HMI700P**	HMI700P-02	PU: 1 piece

Ordering data accessoires

Identification / Order-No.	Identification / Order-No.
Connector 2x8pin (for PLC) / E-CON(S)16-00	Mounting / groundung set for 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
OEM-Firmware with customized logo included / SW-BS-OEM	OEM-Inserting stripe H for logo identification for rear side (PU100 pcs.)

* (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.