

# Irinos IR-HMI1

Control panel  
for the Irinos-System



- 6 push buttons 22.5mm with user-definable functionality, each equipped with a LED for individual illumination, printable labels available
- Selection of the machine- and testplan number (each from 1 to 99)
- 7 membrane keys (4 x arrow + „ESC“ + „#“ + „OK“) with user-definable functionality,
- For expansion of other Irinos-Boxes via the ILink-Interface (no separate power supply required)
- Easy integration into the measurement application via Bit-I/O



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# Irinos IR-HMI 1

## Adaptable to your application

The control panel has been designed for different applications.

The functionality of all buttons can be user-defined. The 6 push-buttons and the 7 membrane keys (arrows + ESC + # + OK) are transferred as an input bit to the PC. The respective functionality is defined by the measurement software.

Each push button can be illuminated and labelled individually. Labelling is made via an optional labelling sheet (A4 foil). Alternatively the push-buttons can be coloured by clip-on caps.

## Machine and Testplan Number

The machine- and testplan number can be selected via numerical displays and +- keys.

By default the numbers 1-99 can be selected. The upper value can be limited by the measurement software. Furthermore, both numbers can be predefined and locked by the measurement software.

Both selected numbers are stored in the non-volatile memory. After system restart, they are loaded from this memory.

## Direct connection to the Irinos system

The control panel is connected to the Irinos-System directly via the ILink interface. It is accessed similar to an I/O box. Data exchange with the measurement software is made via Bit-I/O.

A separate power supply is not required. The control panel is supplied via the ILink interface.

## Robust

Robust push buttons and their LED illumination ensure that the control panel works perfectly in rough industrial environment.



# Irinos IR-HMI 1

## Specifications

### Control elements

Push buttons	6 pcs. 22.5mm, user definable functionality, each equipped with an integrated LED for illumination
Selection of Testplan No.	1-99 via numeric display via keys + and -
Selection of Machine No.	1-99 via numeric display via keys + and -
Membrane keys	7, user definable functionality (4 arrows + ESC + # + OK)

### Power supply

Rated voltage	24 V DC $\pm$ 10 %
Reverse voltage protection	yes
Power consumption	$\leq$ 2.5 watt
Coupling	galvanic isolation
Forwarding	If multiple Irinos-Boxes are used, the power-supply is forwarded via the ILink-Interface to all Irinos-Boxes (no separate power supply required).

Use an Irinos power supply, e.g. IR-PU50.

### Casing

	Robust industrial designer housing (aluminium and steel. Colour: RAL 7035 light grey, front plate with cover foil.
Dimensions	255 x 170 x 105 mm (D x W x H)
Protection class	IP65 if appropriate connectors are used.

### Miscellaneous

Temperatur range	operation: 5 - 50 °C / storage: 0 - 70 °C
Status indication	Numeric display showing box-number and/or error.
Expansion	System expansion up to 32 Irinos-Boxes via ILink-Interface. Combinable with other inputs, e.g. for incremental encoders, analog inputs, digital in/outputs, etc.
Connection to PC	Standard ethernet. DLL available for easy integration into PC software (Windows based).



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## Ordering information

Preferred types have shorter lead times.

Irinos-Box IR-HMI		
Order-No.	Description	Preferred type
828-5029	<b>IR-HMI1-6-NA-MPA-0-0-IL</b> 6 push buttons 22.5mm, Selection of Machine- and Testplan-No., 7 membrane keys	

Accessories ILink connection cable between multiple Irinos boxes		
Order-No.	Description	Preferred type
828-5055	ILink connection cable <b>IR-ILINK-002-IP40</b> Length 0,2 m, protection class IP40	Yes
828-5056	ILink connection cable <b>IR-ILINK-010-IP40</b> Length 1 m, protection class IP40	Yes
828-5057	ILink connection cable <b>IR-ILINK-020-IP40</b> Length 2 m, protection class IP40	
828-5058	ILink connection cable <b>IR-ILINK-030-IP40</b> Length 3 m, protection class IP40	
828-5059	ILink connection cable <b>IR-ILINK-050-IP40</b> Length 5 m, protection class IP40	
828-5060	ILink connection cable <b>IR-ILINK-100-IP40</b> Length 10 m, protection class IP40	
828-5061	ILink connection cable <b>IR-ILINK-002-IP65</b> Length 0,2 m, protection class IP65	
828-5062	ILink connection cable <b>IR-ILINK-010-IP65</b> Length 1 m, protection class IP65	
828-5063	ILink connection cable <b>IR-ILINK-020-IP65</b> Length 2 m, protection class IP65	
828-5064	ILink connection cable <b>IR-ILINK-030-IP65</b> Length 3 m, protection class IP65	
828-5065	ILink connection cable <b>IR-ILINK-050-IP65</b> Length 5 m, protection class IP65	
828-5066	ILink connection cable <b>IR-ILINK-100-IP65</b> Length 10 m, protection class IP65	



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