

Product Information

Sensors and Instrumentation

**Device Configurator
 ECI-1**



- Can be used on site for:
 - parameter modification
 - firmware update
 - adjustment of inputs and outputs
- Can be connected via USB

Characteristics

The device configurator ECI-1 is an interface which allows the connection of microcontroller-managed HONSBERG sensors to the USB port of a computer. Together with the Windows software "HONSBERG Device Configurator" it enables

- the modification of all the sensor's configuration settings
- the reading of measured values
- the adjustment of inputs and outputs
- firmware updates

Technical data

Supply voltage	12..30 V DC (depending on the connected sensor) and via USB
Power consumption	< 1 W
Connection	
Sensor	cable bushing M12x1, 5-pole, straight length approx. 50 cm
Lead	device connector M12x1, 5-pole
USB	USB bushing type B
Operating temperature	0..50 °C
Storage temperature	-20..+80 °C
Dimensions of housing	98 mm (L) x 64 mm (W) x 38 mm (H)
Housing material	ABS
Ingress protection	IP 40

Handling and operation

Connection



The device configurator is intended for temporary connection to the application. It is connected between the existing sensor lead and the sensor. Power supply is via the supply to the sensor and the computer's USB port. When inactive (no communication), the configurator behaves completely neutrally; all signals from the sensor remain available to the application. During communication between computer and sensor, the signal wirings are separated in the configurator, so that in this state the sensor's output signals are not available.

To connect 4-pole leads without a middle hole to the installed 5-pole device connector, adapter K04-05 is included. 4-pole leads with a middle hole can be used without an adapter.

Ordering code

Device configurator (for scope of delivery, see the diagram below)	ECI-1
--	--------------

Scope of delivery

1. Device configurator ECI-1
2. USB cable
3. Adapter K04-05
4. Plug KB05G
5. Cable K05PU-02SG
6. Carrying case



Incl. software

Accessories:

Mains connector 24 V DC (with fitted round plug connector, 5-pole, incl. international plug set)	EPWR24-1
--	-----------------



Replacement parts:

M12x1 adapter 4- / 5-pole	K04-05
PUR cable, 5-pole, shielded with round plug connector M12x1	K05PU-02SG
Round plug connector M12x1, 5-pole (without cable)	KB05G

Options

LABO transmitter - Temperature up to 150 °C



All LABO transmitters can be used with electronics positioned in a separate area with media temperatures up to 150 °C.

OMNI - Tropical model



This OMNI electronic option should be used where temperatures change quickly, or for external installations (the device is filled with oil, and thus prevents condensate formation in the electronics housing, even under adverse circumstances)

Accessories

Filter

Type ZV



Type ZE



The HONSBERG filters are offered for the protection of the devices from dirt or as independent components for coarse and fine filtration of liquids.

For more information, see additional product information.

Round plug connector 4 / 5-pin



- 1 → brown
- 2 → white
- 3 → blue
- 4 → black

- 1 → brown
- 2 → white
- 3 → blue
- 4 → black
- 5 → grey

Ordering code

Self-assembly

1. 2.
KB

1. Number of pins	
04	4-pin
05	5-pin
2. Connector output	
G	straight
W	elbow 90 °

Packaged

1. 2. 3. 4. 5. 6.
 PU -

1. Number of pins	
K	4-pin
K05	5-pin
2. Cable material	
PU	PUR
3. Cable length	
02	2 m
05	5 m
10	10 m
4. Shielding	
N	shielding not applied to coupling
S	shielding applied to coupling
5. Connector output	
G	straight
W	elbow 90 °
6. Shielding	
A	shielded

Panel meter OMNI-TA



External converter with the same data as the electronics; can be mounted directly on the primary sensor, but as an external panel-mounting variant with IP 67 housing.

Panel counter OMNI-C-TA



External counter with the same data as the electronics; can be mounted directly on the primary sensor, but as an external panel-mounting variant with IP 67 housing.

OMNI - Remote



Function is identical to OMNI-suburb. Connection to the sensor is, however, made by wire, and so the measurement point and display location can be apart

EEZ-904



External universal counter