Accessories

Cables and lines

Extension cable VKA

Extension cable, NiCr-Ni
Silicon compensation cable with DIN-plug and DIN-coupler

1.

VKA - ☐

1.	Cable length	
	1m	1 meter long
	2m	2 meter long

Silicon cable

Silicone cable with Teflon screened leads (max. 200°C)
S2P: silicone cable, 2-pole (2 x 0.25 mm²) highly flexible
S4P: silicone cable, 4-pole (4 x 0.14 mm²) insulation 2x blue, 2x white

1. 2.

S ☐ **P** - ☐

1.	Number of leads	
	2	2-pole cable
	4	4-pole cable
2.	**Cable length**	
	xx	desired length in m (e.g. 04 = 4 m)

Glass silk insulated cable

Glass silk insulated cable with stainless steel braiding (max. 400°C), 2-, 3- or 4-pole (0.22 mm²)

1. 2.

G ☐ **P** - ☐

1.	Number of leads	
	2	2-pole cable
	3	3-pole cable
	4	4-pole cable
2.	**Cable length**	
	xx	desired length in m (e.g. 04 = 4 m)

Teflon insulated cable

Teflon cable with Teflon isolated leads
(max. 250°C), 2-, 3- or 4-pole (0.14 mm²)
T3P and T4P with additional shielding

1. 2.

T ☐ **P** - ☐

1.	Number of leads	
	2	2-pole cable
	3	3-pole cable
	4	4-pole cable
2.	**Cable length**	
	xx	desired length in m (e.g. 04 = 4 m)

PVC-line

PVC-line (max. 70°C), 2-, 3- or 4-pole (0.14 mm²)

1. 2.

P ☐ **P** - ☐

1.	Number of leads	
	2	2-pole cable
	4	4-pole cable
2.	**Cable length**	
	xx	desired length in m (e.g. 04 = 4 m)

Compensation lines

AGL1: Silicone cable (2 x 0.22 mm²) max. 200°C
AGL3: Thermo wire (can also be used as thermocouple) glass silk, (2 x 0.5 mm²) max. 400°C
AGL4: Teflon screened twisted thermo wire, (wire-Ø 0.2 mm) max. 250°C
AGL5: Thermo wire with glass silk braiding, (wire-Ø 0.2 mm) max. 400°C
AGL6: Teflon cable, screened – can also be used as thermo-couple, (2 x 0.22 mm²), max. 250°C

1. 2.

AGL - ☐ - ☐

1.	Type	
	1	as per description
	3	as per description
	4	as per description
	5	as per description
	6	as per description
2.	**Cable length**	
	xx	desired length in m (e.g. 04 = 4 m)

Round plug connector

Round plug connector 4-pin

1 brown
2 white
3 blue
4 black

Ordering code

Self-assembly

	1.
KB04	

1.	**Connector output**	
	G	straight
	W	elbow 90 °

Packaged

	1.		2.	3.	4.	5.
K	**PU**	-				

1.	**Cable material**	
	PU	PUR
2.	**Cable length**	
	02	2 m
	05	5 m
	10	10 m
3.	**Shielding**	
	N	shielding not applied to coupling
	S	shielding applied to coupling
4.	**Connector output**	
	G	straight
	W	elbow 90 °
5.	**Shielding**	
	A	shielded

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

Round plug connector 5-pin

1 brown
2 white
3 blue
4 black
5 grey

Ordering code

Self-assembly

	1.
KB05	

1.	**Connector output**	
	G	straight
	W	elbow 90 °

Packaged

	1.		2.	3.	4.	5.
K05	**PU**	-				

1.	**Cable material**	
	PU	PUR
2.	**Cable length**	
	02	2 m
	05	5 m
	10	10 m
3.	**Shielding**	
	N	shielding not applied to coupling
	S	shielding applied to coupling
4.	**Connector output**	
	G	straight
	W	elbow 90 °
5.	**Shielding**	
	A	shielded

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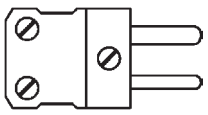
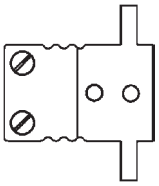
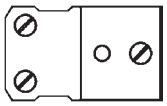
Clamping ring screw connection

Type	Outside thread	Clamp. ring-Ø	Clamping ring
GKV1	M8 x 1	1.5 mm	Teflon
GKV2			stainless steel
GKV3		3.0 mm	Teflon
GKV4			stainless steel
GKV5	G ¼	1.5 mm	Teflon
GKV6			stainless steel
GKV7		3.0 mm	Teflon
GKV8			stainless steel
GKV11		6.0 mm	Teflon
GKV12			stainless steel
GKV9	G ½	6.0 mm	Teflon
GKV10			stainless steel
GKV13		8.0 mm	Teflon
GKV14			stainless steel
GKV15		14.0 mm	Teflon

Flat-pin connector, thermoelectric-voltage free

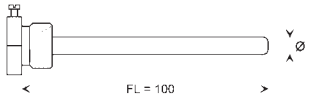
For ambient temperatures up to 200°C

Type	Thermocouple	
NST 1200	type K	
NST 1700	type S	
NKU 1200 O U-coupling for installation in front panels	type K	
NKU 1200	type K	
NKU 1700	type S	

For higher temperatures use ceramic plugs and coupling (upon request).

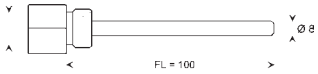
Immersion sleeve

EST01



Immersion sleeve for all probes without thread
Standard: G ½, FL = 100 mm, outside-Ø = 6 mm: for probes with 5 mm Ø

EST02



Immersion sleeve for all probes with G ½-thread
Standard: G ½ (internal/external), FL = 100 mm, outside-Ø = 8 mm: for probes with 6 mm Ø

	1.	2.	3.	4.
EST	- ☐	- ☐	- ☐	- ☐

1.	**Design type**	
	01	for all probes without thread
	02	for all probes with G ½-thread
2.	**Thread**	
	00	standard G ½
	xx	desired thread upon request
3.	**Probe length**	
	00	standard, FL=100 mm
	xxx	desired length upon request
4.	**Outside diameter**	
	00	standard Ø = 6 mm (design type 01) standard Ø = 8 mm (design type 02)
	xx	desired diameter upon request

Heat conducting paste

GWL10G

Heat-conductive paste
for optimized heat transfer, 10 g in plastic syringe

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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 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**