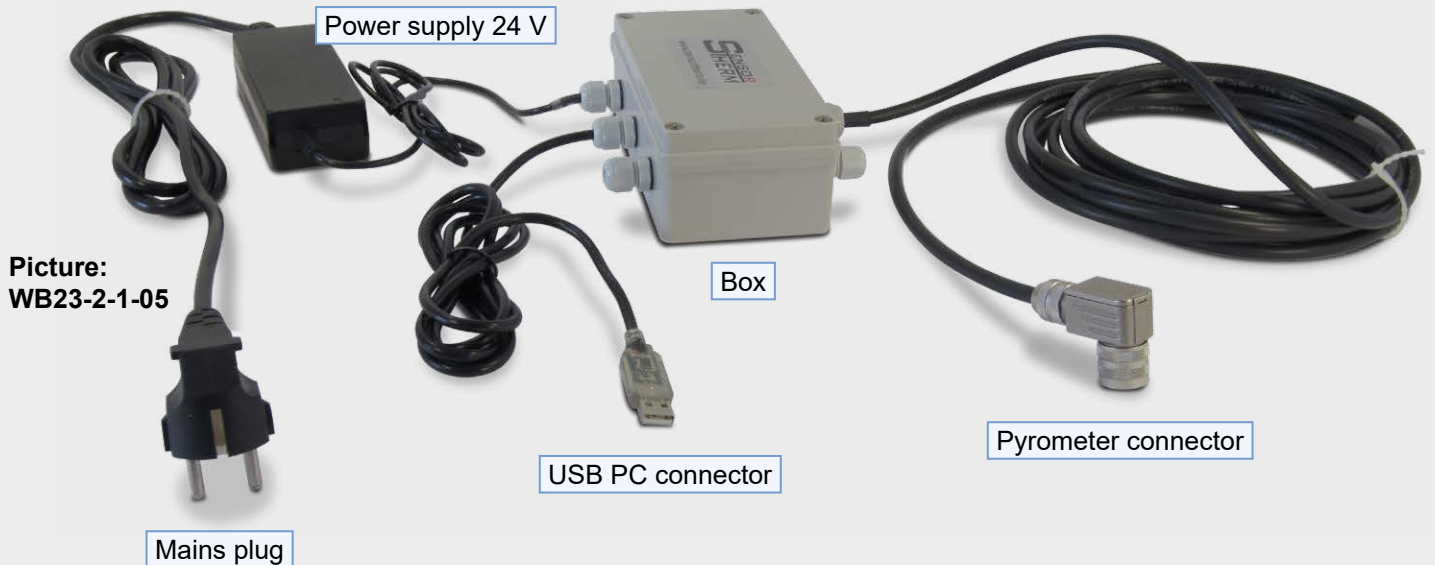


## Wiring-Box WB

Fully Assembled Connection Set

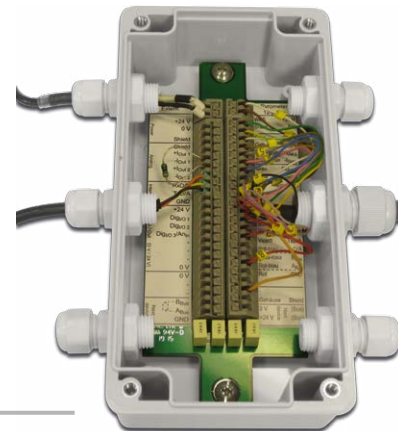


Picture:  
WB23-2-1-05

The wiring box is a fully assembled connection set for Sensortherm pyrometers. Thus, the pyrometer is immediately ready to use. Via USB port a PC connection can be done for communication via PC software.

Standard set consists of:

- Connection box (protection class IP66) with terminal block, 6 cable glands for pre-installed cable or for connection of additional cables
- Desktop power supply 24 V
- Interface converter RS485↔USB 2.0 with 1.7 m cable for connection to a PC
- Pyrometer connection cable (5 m) with 12-pin or 17-pin connector



















Typical standard sets:

Model	Description
WB23-2-1-05	for all pyrometers with 12-pin connector and RS485 interface <ul style="list-style-type: none"> <li>■ Box</li> <li>■ Pyrometer connection cable (5 m) with 12-pin right-angle connector</li> <li>■ RS485↔USB interface converter</li> <li>■ Power supply</li> </ul>
WB25-2-1-05	for all pyrometers with laser targeting light, 12-pin connector and RS485 interface <ul style="list-style-type: none"> <li>■ Box</li> <li>■ Pyrometer connection cable (5 m) with 12-pin angled connector and laser targeting light button</li> <li>■ RS485↔USB interface converter</li> <li>■ Power supply</li> </ul>
WB71-2-1-05	for all pyrometers with 17-pin connector and RS485 interface <ul style="list-style-type: none"> <li>■ Box</li> <li>■ Pyrometer connection cable (5 m) with 12-pin straight connector</li> <li>■ RS485↔USB interface converter</li> <li>■ Power supply</li> </ul>

## Technical Data

Box dimensions (L x W x H)	160 x 80 x 55 mm
Material / protection class	Plastic / IP66
Desktop power supply	80-264 V AC / 47-63 Hz → 24 V DC / 2.5 A
Interface converter	RS485↔USB (for data transmission rates 4.8–921.6 kBd) RS232↔USB (for data transmission rates 4.8–115.2 kBd)
Pyrometer connection cable	Twisted pairs, screened data transmission cable with color code acc. to DIN 7100, RoHS conf., PVC black, heat resist. -20°C to 90°C, short-term +105°C
Connection terminal	For wire diameters 0.518–2.08 mm <sup>2</sup> , wire stripe length 7.5–8.5 mm (suitable for wire end ferrules for cable cross-sections from 0.14 mm <sup>2</sup> –1.5 mm <sup>2</sup> )
Housing cable glands	PG7 for 3–6.5 mm cable outside diameter (Exception: PG9 for pyrometer cable with 17-pin connector for 4–8 mm cable outside diameter)
Weight of standard set	1.25 kg

## Individual Configuration (Reference number code)

Ref. no.	Options				
<b>WB</b>	<b>Box</b>				
  please select: <b>XX</b>	<b>Pyrometer cable / pyrometer connector 12-pin</b>			<b>suitable for</b>	
	00	Without			
	21	AL43	Straight connector		DK5232 / DK5485
	22	AM43	Straight connector, incl. interface cable (1 m) with 9-pin Sub-D female connector		DK3000 / DK4000
	23	AL11	Right angle connector		DK5232 / DK5485
	24	AM11	Right angle connector, incl. interface cable (1 m) with 9-pin Sub-D female connector		DK3000 / DK4000
	25	AL10	Right angle connector with targeting light button		DK5232 / DK5485
	26	AM10	Right angle connector with targeting light button, incl. interface cable (1 m) with 9-pin Sub-D female connector		DK3000 / DK4000
	27	AL15	Right angle connector with targeting light button, SC10 cable		DK5232 / DK5485
	28	AM15	Right angle connector with targeting light button, SC10 cable incl. interface cable (1 m) with 9-pin Sub-D female connector		DK3000 / DK4000
	29	AL17	Right angle connector incl. SC10 cable		DK5232 / DK5485
	30	AM17	Right angle connector incl. SC10 cable, incl. interface cable (1 m) with 9-pin Sub-D female connector		DK3000 / DK4000
		<b>Pyrometer cable / pyrometer connector 17-pin</b>			
	71	AS54	Straight connector		DK5485
	72	AS53	Straight connector, incl. interface cable (1 m) with 9-pin Sub-D female connector		DK4000
please select: <b>X</b>	<b>USB adapter</b>				
	0	Without			
	1	DK5232	Interface converter RS232↔USB, 1.7 m cable		open connection wires
	3	DK3000			with 9-pin Sub-D connector
	2	DK5485	Interface converter RS485↔USB, 1.7 m cable		open connection wires
4	DK4000	with 9-pin Sub-D connector			
please select: <b>X</b>	<b>Power supply</b>				
	0	Without			
	1	With desktop power supply 24 V (power cord with German / French CEE 7/7 Schuko connector)			
2	With desktop power supply 24 V (power cord with American NEMA-5 connector)				
please sel.: <b>XX</b>	<b>Cable length</b>				
	00/05/10/15	Length in meters (in 5 m increments)			
please select: <b>X</b>	<b>Type of cable</b>				
	D	With connection cable and internal sticker for Diadem			
	M	With connection cable and internal sticker for Metis 1 and Sirius			
	 <b>Reference number: WBxx-x-x-xx-x</b>				

**Note:** Several wiring boxes can be combined for RS485 bus operation.