Wiring-Box WB
Fully Assembled Connection Set

Power supply 24 V

Picture:
WB23-2-2-05

Pyrometer connector
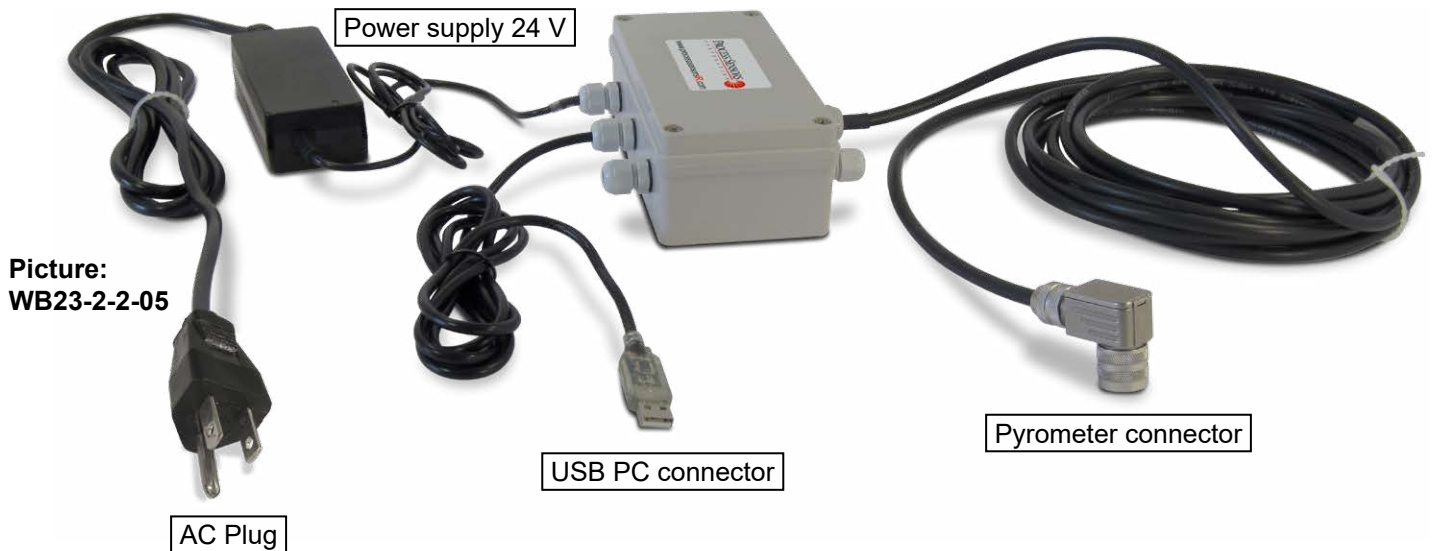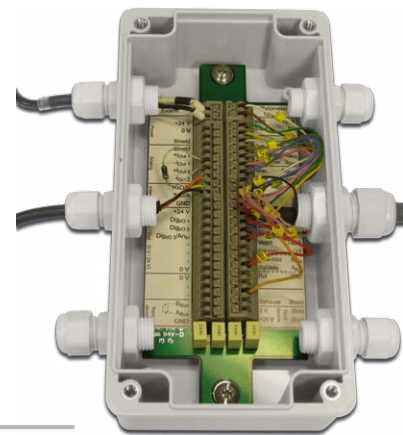
USB PC connector

AC Plug

The wiring box is a fully assembled connection set for Process Sensors Metis and Sirius model pyrometers. The three turn-key models offered provide instant ease of setup, simplifying the demonstration process. A PC connection can be achieved via a USB port for communication with 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

Model	Description
WB23-2-2-05	for all pyrometers with 12-pin connector and RS-485 interface

- Box
- Pyrometer connection cable (5 m) with 12-pin right-angle connector
- RS485⇔USB interface converter
- Power supply

Model	Description
WB25-2-2-05	for all pyrometers with laser targeting light, 12-pin connector and RS-485 interface

- Box
- Pyrometer connection cable (5 m) with 12-pin angled connector and laser targeting light button
- RS485⇔USB interface converter
- Power supply

Model	Description
WB71-2-2-05	for all pyrometers with 17-pin connector and RS-485 interface

- Box
- Pyrometer connection cable (5 m) with 12-pin straight connector
- RS485⇔USB interface converter
- Power supply

Technical Data

Box dimensions (L x W x H)	160 x 80 x 55 mm (6.29 x 3.15 x 2.16 in)
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 mm², wire stripe length 7.5-8.5 mm (suitable for wire end ferrules for cable cross-sections from 0.14 mm²–1.5 mm²)
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 (2.75 lb)

Individual Configuration (Reference number code)

Ref. no.	Options			suitable for
WB	**Box**			
	Pyrometer Cable / Pyrometer Connector 12-pin			
	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
please select: **XX**	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
	Pyrometer Cable / Pyrometer Connector 17-pin			
	71	AS54	Straight connector	DK5485
	72	AS53	Straight connector, incl. interface cable (1 m) with 9-pin Sub-D female connector	DK4000
please select: **X**	**USB Adapter**			
	0	Without		
	1	DK5232	Interface converter RS-232⇔USB, 1.7 m cable	open connection wires with 9-pin Sub-D connector
	3	DK3000		
	2	DK5485	Interface converter RS-485⇔USB, 1.7 m cable	open connection wires with 9-pin Sub-D connector
	4	DK4000		
please select: **X**	**Power Supply**			
	0	Without		
	2	With desktop power supply 24 V (power cord with American NEMA-5 connector)		
please sel.: **XX**	**Cable Length**			
	00 / 05 / 10 / 15	Length in meters (in 5 m increments)		
please select: **X**	**Type of cable**			
	D	With connection cable and internal sticker for Diadem		
	M	With connection cable and internal sticker for Metis 1 and Sirius		
↳	**Reference number: WBxx-x-x-xx**			

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