DK5232 / DK5485 / DK3000 / DK4000

Interface Converter RS232⇔USB and RS485⇔USB

DK5232 / DK5485	▪ USB, Type A ▪ open connection wires

DK3000 / DK4000	▪ USB, Type A ▪ SUB-D connector

Order no:	Model:
DK5232	RS232⇔USB, 1.7 m cable, open connection wires
DK5485	RS485⇔USB, 1.7 m cable, open connection wires

Order no:	Model:
DK3000	RS232⇔USB, 1.7 m cable, 9-pin Sub-D connector
DK4000	RS485⇔USB, 1.7 m cable, 9-pin Sub-D connector

Pin Assignment Sensortherm Standard Cable

Cable colors Interface converter RS232⇔USB (TxD / RxD) RS485⇔USB (A⁻ / B⁺)	Pin Sub-D		Cable colors Sensortherm standard cables	
			Metis M3 / H3 (12 pin connector RS232 or RS485)	**Metis M3 / H3** (17 pin connector only RS485)
Orange (B⁺ / TxD)	3	⇔	Grey-pink and black(B⁺ / RxD)	White-yellow and white-grey (B⁺)
Yellow (A⁻ / RxD)	2	⇔	Red-blue and violet (A⁻ / TxD)	Brown-yellow and brown-grey (A⁻)
Black (GND)	5	⇔	Red (GND)	White-pink and brown-pink (DGND)

USB plug type A

Orange (B⁺)
Yellow (A⁻)
Black (GND)
(3x not used)

Note: This table is for a point-to-point connection. For RS485 bus operation, a circuit example can be found in the respective pyrometer's user manual.

A suitable driver must be installed so that the interface converter is recognized by *SensorTools*. After installing *SensorTools*, the driver can be found in the installation directory in the "Driver" subfolder or can be downloaded from the FTDI homepage: www.ftdichip.com/Drivers/VCP.htm. More information is available in the FTDI application note AN_107 - Advanced Driver Options.

To achieve the maximum transfer speed, it is absolutely necessary to change the latency time in the advanced connection settings from 16 ms to 1 ms (settings in the Control Panel → device manager → Ports (COM & LPT) → USB Serial Port > Port Settings > Advanced > Latency Timer (at BM options)).