Manual
Interface RS232 > Centronics

Type 82000
Release 1.0

Subject to errors and changes:

Since we can make mistakes, none of our statements should be used without checking. Please let us know of any mistakes or misunderstandings you are aware of, so that we can recognize and eliminate them quickly.

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Interface RS232 > Centronics

The W&T Interface Model 82000 permits uni-directional connection of RS232 devices with components, which are equipped with a standard Centronics interface.

Function

No external power supply is needed, since in most cases the extremely low current requirement (approx. 1 mA) can be supplied by the RS232 and Centronics signal lines.

Data format

At installation baud rate, data format and handshake must be set by means of DIL switches inside the interface housing.

Handshake

The interface supports hardware handshake or XON/XOFF handshake. The integrated overrun buffer prevents loss of data if the computer sends as many as 7 bytes after a handshake stop.

Connectors and Pinout

The RS232 > Centronics interface #82000 can be connected to 9 pin male RS232 PC interfaces directly. It can be connected to 25 pin RS232 DTE interfaces by the enclosed mini gender changer #11570 and to 25 pin RS232 DCE interfaces by the enclosed mini gender changer #11580:

9-pin female connector	
Pin	**Funktion**
2	XON/XOFF output
3	data input
5	signal GND
6	handshake output
8	handshake output

25-pin female connector (with gender changer 11570)	
Pin	**Funktion**
2	data input
3	XON/XOFF output
5	handshake output
6	handshake output
7	signal GND

25-pin male connector (with gender changer 11580)	
Pin	**Funktion**
2	XON/XOFF output
3	data input
4	handshake output
7	signal GND
20	handshake output

Configuring the interface

The baud rate and the data format of the interface can be set by means of DIL switches inside the interface housing. The DIL switches are described in the table below:

baudrate	S1	S2	S3
150	off	off	off
300	ON	off	off
600	off	ON	off
1200	ON	ON	off
2400	off	off	ON
4800	ON	off	ON
9600	off	ON	On
19200	ON	ON	ON

databit	S4
7	ON
8	off

handshake	S5	S6	S7	S8
XON/XOFF, no parity	ON	off	ON	off
XON/XOFF, odd parity	off	ON	ON	off
XON/XOFF, even parity	ON	ON	ON	off
DTR, any parity	off	off	off	ON

Technical Data

Baud rate:	150 .. 19,200 baud
Data format:	7,8 data bits, no,even,odd parity
Handshake:	DTR, XON/XOFF handshake
Buffer:	0 K
Isolation:	none
Power supply:	No need for external power adapter
Input:	9-pin SUB-D socket, ready to plug in at PC, incl. 2m cable attached to the device
Output:	36-pin Centronics plug, interface Can be plugged directly to the printer
Housing:	Plastic housing, 75x61x20 mm
Weight:	approx. 200 g
Delivery:	1 x RS232>Centronics interface, 0K 1x mini gender changer, #11570 1x mini gender changer, #11580