Serial PROFIBUS DP Master

**PROFIBUS Master with
RS 232 Interface**

PROFIBUS Master Class 1 and 2

**Monitoring software
for PROFIBUS DP Slaves
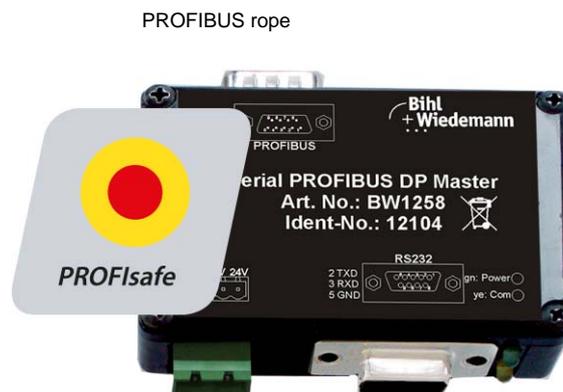and PROFIsafe Slaves**

**Cyclic data exchange via
PROFIBUS DP V0**

**Acyclic data exchange via
PROFIBUS DP V1**

PROFIBUS rope

24 V power supply
(included in the package)

serial cable
(included in the package)

The serial PROFIBUS DP Master is an easy to use software for data exchange with PROFIBUS -and PROFIsafe slaves of many suppliers via PROFIBUS DP. It can be processed in two modes:

1. Commissioning and test tool for PROFIBUS DP Slaves via PROFIBUS DP V0

In this operation mode I/O data can be exchanged cyclically with PROFIBUS slaves via PROFIBUS DP V0 Input data can be read and output data can be written. Furthermore the serial PROFIBUS DP Master also processes GSD-files. User parameters can be edited and the configuration can be modified and stored. The PROFIBUS station address can be changed as well with the serial PROFIBUS DP Master. This is useful for PROFIBUS I/O modules in protection class IP67 without addressing switches.

The serial PROFIBUS DP Master offers the possibility to scan a PROFIBUS network for connected slaves and display them in a graphical way. In this case the serial PROFIBUS UART has to be connected directly to a PROFIBUS slave. The I/O data and the PROFIBUS user diagnosis can be displayed binary, hexa-decimal and now also as ASCII code. The PROFIBUS output data can be transmitted consistently to the PROFIBUS slave. In single bit mode it is possible to set an output as long as the mouse button is pressed.

Beside the monitoring and putting into operation software **DLL drivers** as well as examples written in C are available for download on the homepage. This offers the possibility to **use the PROFIBUS UART in an application in combination with an own software**.

2. PROFIBUS Master class 2 with PROFIBUS DP V1 functionality

In this mode the serial PROFIBUS Master works as a class 2 Master in combination with the class 1 Master in a PROFIBUS network

Complex devices e. g. drives, modular I/O systems even PROFIBUS PA devices can be commissioned online via PROFIBUS DP V1. PROFIBUS PA devices need an additional segment coupler.

Article no.	BW1258
General data	
Name	serial PROFIBUS Master
Interfaces	standard PC RS 232-interface with 9-pin D-Sub-plug (female) PROFIBUS interface with 9 pin D-Sub-plug (male)
Power supply	24 V DC
Operating current	< 60 mA
Length of connector cables	RS 232 max. 2 m
Transfer rate RS 232	19 200 Baud
Transfer rate PROFIBUS	9,6 KBaud up to 1500 KBaud
Display	
LED green (power)	power on
LED yellow (com)	serial interface/PROFIBUS in operation
Installation	
Technical requirements	IBM compatible PC since 80386
System requirements	
Operating system	Windows 98 / Windows NT4 / Windows Me / Windows 2000 / Windows XP / Windows 7 (32 Bit or 64 Bit) / Windows 10 (32 Bit or 64 Bit)
Environment	
Ambient operating temperature	0 °C … +55 °C
Storage temperature	-25 °C … +70 °C
Dimensions (W, H, D)	72,0 mm, 68,5 mm, 19,5 mm

Serial PROFIBUS DP Master

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Specification	
Specification	• Software: PROFIBUS DP Master simulator • serial PROFIBUS Master • D-sub-transmission cord • power supply 24 V DC
	32 Bit DLL an examples (in C as sourcecode) are available for download on the homepage and are not delivered with.

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