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DW2006170

The BradCommunications™ USB adapter provides flexibility and high-performance to configure and run diagnostics on PROFIBUS DP-V1 devices including Profibus PA field instruments.

## PROFIBUS DP-V1 USB Adapter

Configuration/Monitoring of FDT compliant PROFIBUS devices

### Features

- FDT Certified Product
- Easy Access to PROFIBUS PA devices by using DP-V1 Services
- Supports Device Configuration and Diagnostic through FDT
- Supports all standard baud rates: 9.6 Kbaud to 12 Mbaud, including 45.45 kBit/s
- Diagnostic LEDs for USB and PROFIBUS communications status
- Support High Speed USB Standard Version 2.0 as well as Version 1.1
- Compatible with Microsoft Windows 2000, Microsoft Win XP, Microsoft 2003 Server and CommDTM according to FDT specification version 1.2



### About FDT

- FDT (Field Device Tool) technology standardizes the communication interface between field devices and systems
- Minimized effort for integration of field devices into software systems
- Simply use the best-of-class devices with your FDT engineering tool

The BradCommunications™ PROFIBUS USB adapter is an intelligent PC interface supporting High Speed USB Version 2.0 as well as Version 1.1. The USB adapter acts as a DP-V1 Master class 2 at all data transfer rates up to 12Mbit/s including 45.45 Kbit/s transfer rate used by PA converters.

The portability of using a laptop on the plant-floor provides for a quick and easy solution to configure, set parameters, diagnose and trouble-shoot your PROFIBUS DP-V1 devices.

The product package includes a certified CommDTM driver conforms to FDT v1.2 specifications. It is the ideal solution for connecting FDT engineering tools such as PACTware™ or FieldCare™ to PROFIBUS. It allows the linking with Device DTMs for the configuration and diagnostics with DP-V1 devices including Profibus PA field instruments.

The BradCommunications CommDTM integrates helpful features like:

- DTM station address assignment
- PROFIBUS station address assignment
- Automatic scanning of connected devices
- Log of PROFIBUS data exchange
- Advanced DP-V1 parameters for setting up communication for example accessing HART® devices through RemotelO gateway.

The BradCommunications product category provides a complete line of PROFIBUS automation solutions through its PC & PLC interfaces, gateways, diagnostic tools, physical media, and I/O modules.

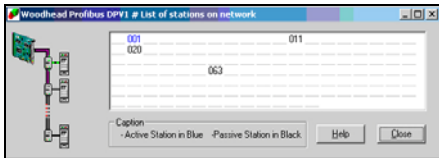


# PROFIBUS USB Adapter

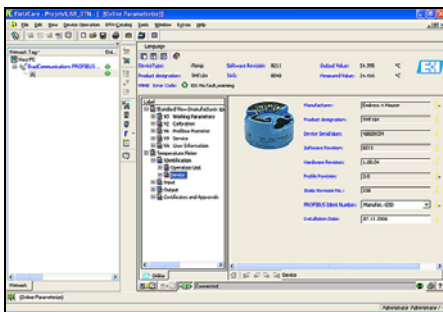


## Software tools

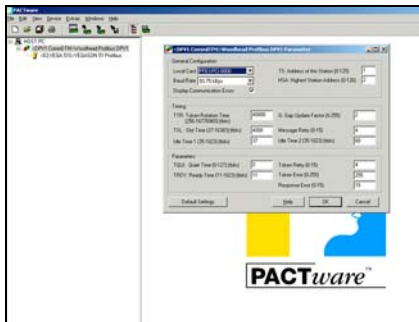
The PROFIBUS USB adapter is currently available with all FDT frame applications. An easy to understand graphical interface supports the host application with the network configuration.



- Fieldcare Screenshot -



- Pactware Screenshot -



## Related products



**BradConnectivity™ PROFIBUS D-Sub connector with integrated diagnostics**



**BradCommunications™ SST™ PROFIBUS Interface Card**

**BradCommunications™**  
from Woodhead Industries

## Hardware Specifications

<b>PROFIBUS Processor</b>	186 core, 48 MHz
<b>USB Processor</b>	ARM 7, Philips LPC2212
<b>LED Indicators</b>	- USB Connection Status - PROFIBUS Error detection - PROFIBUS Communication Status
<b>Power supply</b>	5V through USB (no external supply required)
<b>Consumption</b>	350 mA
<b>Galvanic isolation</b>	500V
<b>Dimensions (L x W x H)</b>	56 x 33 x 99mm (2.20" x 1.29" x 3.89")
<b>Housing</b>	Aluminium box
<b>Operating Temperature</b>	0°C to +55°C (32°F to 131°F)
<b>Storage Temperature</b>	-20°C to +70°C (-4°F to 158°F)
<b>RoHS compliant</b>	Yes
<b>Humidity</b>	5 to 95% non condensing
<b>USB Interface</b>	
<b>USB Standard</b>	Version 2.0 or 1.1
<b>Data Transfer Rate</b>	Full speed and High Speed with automatic recognition
<b>Connectors</b>	
<b>USB type</b>	- USB Type Mini-B - USB cable A/ Mini-B
<b>PROFIBUS</b>	9 pin, D-sub, female

## Ordering information

Part Number	Description
<b>SST-PFB-USB-DTM</b>	BradCommunications™ SST™ PROFIBUS DP-V1 USB Adapter for FDT compliant field devices

## Related part numbers:

Part Number	Description
<b>DRL- PFB-USB</b>	BradCommunications™ Direct-Link™ PROFIBUS DP-V0 and DP-V1 USB Adapter
<b>SST-PB3-PCU</b>	BradCommunications™ SST™ PROFIBUS Interface Card, Universal PCI 3.3/5V bus including CommDTM driver
<b>PA9D0B-42</b>	BradConnectivity™ PROFIBUS D-Sub connector with integrated diagnostics, 45° format
<b>PA9D01-42</b>	BradConnectivity™ PROFIBUS D-Sub connector with integrated diagnostics, 90° format
<b>MA9D00-42</b>	BradConnectivity™ PROFIBUS D-Sub connector with integrated diagnostics, 0° format

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