

Features

- Output: min. 11 V/45 mA
- For 1...2 devices/test setups
- In conjunction with NI PCMCIA-FBUS card
- Permitted for Zone 2 operation
- For FOUNDATION Fieldbus H1
- Windows XP/Vista/7 compatible
- USB 1.1/2.0 compatible

Function

The USB-FBPS-1.11.45.NI fieldbus power supply powers one or two field devices. It connects via D-SUB female connector to the popular NI PCMCIA FBUS card by National Instruments.

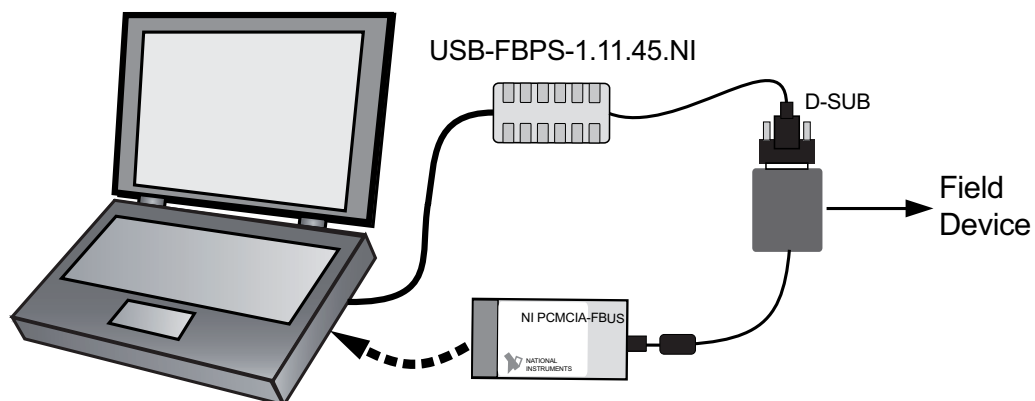
This small unit is designed to enable commissioning and maintenance personnel to conduct single field device work typical during plant start-up or maintenance: device configuration download, functional test, and device tagging. The power supply provides the infrastructure from the convenience of a laptop or PC, or any other USB-port.

This device complements the portfolio of FieldConnex[®] tools for the fieldbus practitioner on the go. It complements the mobile Diagnostic Module DM-AM for check-out, monitoring, and troubleshooting of single fieldbus segments.

Assembly



Connection



General specifications		
Design / Mounting		Handheld/mobile
Supply		
Connection		USB-Male Connector Typ A (Standard)
Rated voltage	U_r	typ. 5 V
Rated current	I_r	max. 350 mA
Power dissipation		typ. 250 mW
Fieldbus interface		
Connection		D-Sub socket 9-pin ; pin 6: Bus + , pin 7: Bus -
Rated voltage	U_N	min. 11 V
Rated current	I_N	45 mA
Short-circuit current		typ. 60 mA
Terminating resistor		50 Ω
Indicators/operating means		
LED ERR		red flashing: short-circuit or undervoltage at output
LED PWR		green: Interface Power ON/OK
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61326-1:2013
Standard conformity		
Degree of protection		IEC/EN 60529
Fieldbus standard		IEC 61158-2
Ambient conditions		
Ambient temperature		-10 ... 50 °C (14 ... 122 °F)
Storage temperature		-40 ... 70 °C (-40 ... 158 °F)
Pollution degree		max. 2, according to IEC 60664
Mechanical specifications		
Connection type		USB-Male Connector Typ A (Standard)
Housing		56 x 32 x 17 mm
Housing material		Polycarbonate
Degree of protection		IP20
Mass		approx. 105 g
Data for application in connection with hazardous areas		
Outputs		
Voltage	U_o	17.5 V
Certificate		PF 08 CERT 1303 X
Marking		Ⓔ II 3G Ex nA II T4
Directive conformity		
Directive 2014/34/EU		EN 60079-0:2012 , EN 60079-11:2012 , EN 60079-15:2010
General information		
Supplementary information		Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .