

LabVIEW PROFIBUS VISA Driver

PROFIBUS DP for LabVIEW

□ Description

LabVIEW by National Instruments is a widespread graphical test, measurement, control and automation system. It provides the user a multitude of functions for data programming, data analysis and visualization and allows the compilation of a complete test or control system on any platform.

The COMSOFT PROFIBUS VISA Driver equips National Instrument's LabVIEW with a real-time PROFIBUS DP connection.

The package including hardware and software is based on the COMSOFT DF PROFI II board, available in PCI, PCIe, CPCI and PC104+ format. These different formats as well as the real-time VISA Driver concept can be integrated in different LabVIEW systems and platform combinations.

An installation in a classical PC system under LabVIEW for Windows is just as possible as in a real-time PXI system under LabVIEW RT, e.g. as a high

performance PAC system for time-critical test applications or industrial automation applications.

The COMSOFT PROFIBUS VISA Driver supports DP Master and DP Slave mode. This allows data exchange with any DP slaves as well as the integration of a complete LabVIEW system as DP Slave in an already existing PROFIBUS DP network.

□ Technical Data

VISA Driver for up to five DF PROFI II boards

Integrated PROFIBUS configuration tool CONFIGURATOR II

Hardware access only 1 ms

PROFIBUS DP Master and DP Slave up to 12 Mbit/s

Via virtual instruments (Standard and Express VIs) direct connection between LabVIEW and PROFIBUS

Easy access to process and diagnostic data

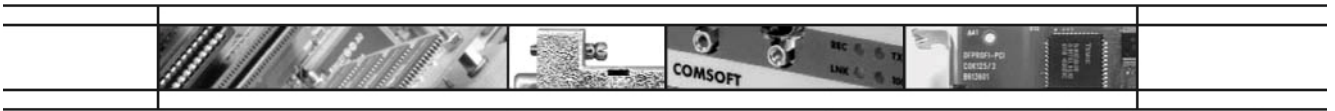
Detailed example VIs for handling process and diagnostic data as well as initialization

"Getting started manual" for installation and initialization

Detailed VI context help

System Prerequisites

LabVIEW 7.1 and higher



Order Numbers

Order No.	Item
4000-7-3 <input type="checkbox"/> 4 -3-* L	DF PROFI II PCI with LabVIEW PROFIBUS VISA Driver for Windows 2000/XP and LabVIEW RT
4000-7-3 <input type="checkbox"/> 5 -3-* L	DF PROFI II CPCI with LabVIEW PROFIBUS VISA Driver for Windows 2000/XP and LabVIEW RT
4000-7-3 <input type="checkbox"/> 6 -3-* L	DF PROFI II PC104+ with LabVIEW PROFIBUS VISA Driver for Windows 2000/XP and LabVIEW RT
4000-7-3 <input type="checkbox"/> 7 -3-* L	DF PROFI II PCIe with LabVIEW PROFIBUS VISA Driver for Windows 2000/XP and LabVIEW RT

* Please complete the order number either with E for a documentation in English or D for a documentation in German.