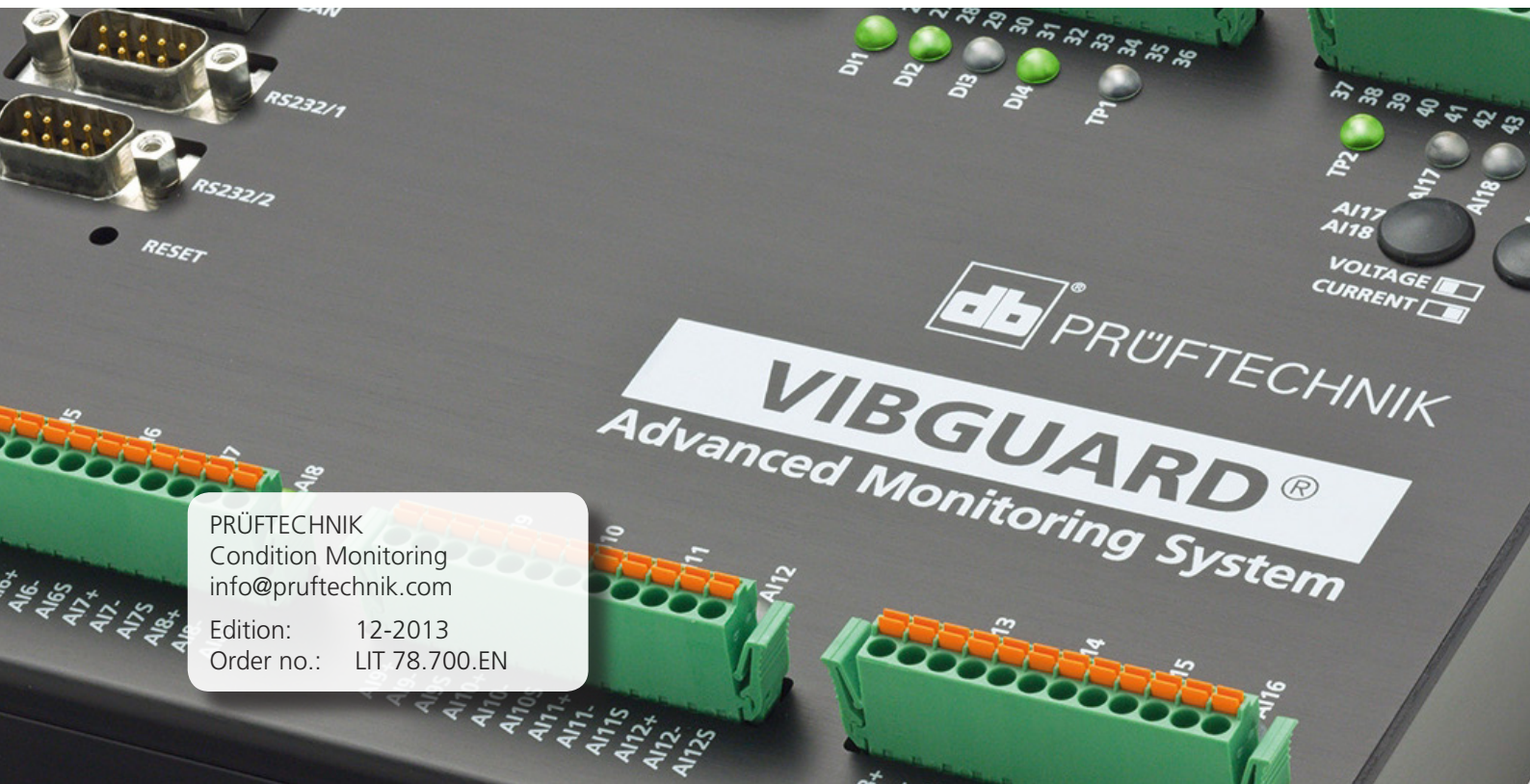


VIBGUARD®

Advanced Condition Monitoring

Catalog



PRÜFTECHNIK
Condition Monitoring
info@pruftechnik.com
Edition: 12-2013
Order no.: LIT 78.700.EN

Legal notices

Both this catalog and the product it describes are copyrighted. All rights belong to the publisher. The catalog may not be copied, reproduced, translated or made accessible to a third party in any form, neither in its entirety nor as an excerpt.

No liability may be claimed against the publisher regarding the product described in this catalog. The publisher assumes no liability for accuracy of the catalog contents. Furthermore, under no circumstances may the publisher be held liable for direct or indirect damage of any kind resulting from use of the product or the catalog, even if the publisher has expressly indicated the potential for occurrence of such damage.

The publisher assumes no liability for any product defects. This warranty and liability limitation applies to all distributors and sales partners as well.

The trademarks mentioned in this catalog are generally noted as such and are the property of their owners. Lack of such designation does not imply, however, that names are not protected by trademark laws.

©2011 PRÜFTECHNIK Condition Monitoring; all rights reserved

Contents

Order no.	Product description	Page
-----------	---------------------	------

Chapter 1: VIBGUARD Scope of delivery

VIB 7.800-PS :	VIBGUARD module (16 x U and 4 x U/I) incl. power supply	8
VIB 7.800-LH :	VIBGUARD module (16 x U and 4 x U/I) in protective housing ,compact'	8
VIB 7.800-SDH :	VIBGUARD module (16 x U and 4 x U/I) in protective housing ,standard'	8
VIB 7.810-PS :	VIBGUARD module (16 x ICP and 4 x U/I) incl. power supply	9
VIB 7.810-LH :	VIBGUARD module (16 x ICP and 4 x U/I) in protective housing ,compact'	9
VIB 7.810-SDH :	VIBGUARD module (16 x ICP and 4 x U/I) in protective housing ,standard'	9
VIB 7.815-PS :	VIBGUARD module (8 x ICP, 8 x U, 4 x U/I) incl. power supply	10
VIB 7.815-LH :	VIBGUARD module (8 x ICP, 8 x U, 4 x U/I) in protective housing ,compact'	10
VIB 7.815-SDH :	VIBGUARD module (8 x ICP, 8 x U, 4 x U/I) in protective housing ,standard'	10
VIB 7.820-PS :	VIBGUARD module (16 x CLD and 4 x U/I) incl. power supply	11
VIB 7.820-LH :	VIBGUARD module (16 x CLD and 4 x U/I) in protective housing ,compact'	11
VIB 7.820-SDH :	VIBGUARD module (16 x CLD and 4 x U/I) in protective housing ,standard'	11
VIB 7.825-PS :	VIBGUARD module (8 x CLD, 8 x U, 4 x U/I) incl. power supply	12
VIB 7.825-LH :	VIBGUARD module (8 x CLD, 8 x U, 4 x U/I) in protective housing ,compact'	12
VIB 7.825-SDH :	VIBGUARD module (8 x CLD, 8 x U, 4 x U/I) in protective housing ,standard'	12
VIB 7.800-MOB :	VIBGUARD portable	13
VIB 7.800-MOBIPC :	VIBGUARD portable with integrated industrial PC	13

Chapter 2: VIBGUARD Viewer

VIB 8.151 :	VIBGUARD Viewer, Single user version	16
VIB 8.155 :	VIBGUARD Viewer, Client server version	16
VIB 8.156 :	VIBGUARD Viewer Client Server, 1 additional floating user licence	17
VIB 8.157 :	VIBGUARD Viewer Client Server, 5 additional floating user licences	17
VIB 8.160 :	VIBGUARD Viewer, licence for Email center	18
VIB 8.161 :	VIBGUARD Viewer, licence for 8 device points	18
VIB 8.162 :	VIBGUARD Viewer, licence for 4 device points	18

Chapter 3: VIBGUARD accessories

VIB 7.830-CLD :	VIBGUARD connection module for 4 additional CLD-type accelerometers	20
VIB 7.830-ICP :	VIBGUARD connection module for 4 additional ICP-type accelerometers	20
VIB 7.835:	DC-DC converter for 24V power supply	21
VIB 8.170:	Online VIEW 4.0 for up to 100 data points	22
VIB 8.171:	Online VIEW 4.0 for up to 250 data points	22
VIB 8.172:	Online VIEW 4.0 for up to 500 data points	22
VIB 8.173:	Online VIEW 4.0 for up to 1000 data points	22

Index

Index by order number	23
-----------------------------	----

Chapter 1

VIBGUARD

Scope of delivery



VIBGUARD - Online Condition Monitoring at top level

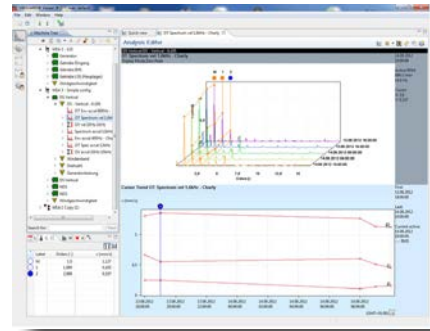
1

2

3



VIBGUARD module



VIBGUARD Viewer PC software

VIBGUARD is a high performance system for the monitoring and diagnosis of operating conditions on machines with rotating parts. The permanently installed system works continuously and autonomously and records up to 20 measurement channels simultaneously!

VIBGUARD achieves a new level of Online Condition Monitoring that for the first time allows critical machines with highly dynamic processes and complex monitoring tasks to be included in a reliability-oriented maintenance schedule.

Features

- 20 synchronous measurement channels
- Applies for each channel:
 - 1 AD converter for independent measurements.
 - Continuous data collection.
 - Up to 6 parameters per second.
 - One envelope spectrum or two separately filtered time signals.
 - Continuous sensor check is independent of the measurement.
 - Continuous data recording on every channel
- Digital inputs and outputs
- Tachometer pulse channels for triggered measurements
- Digital filters
- Several module types for ICP-type and CLD-type accelerometers and shaft vibration sensors with voltage output.
- Compact system module suitable for switching cabinet installation
- No active cooling required
- Optional pre-assembled in a rugged protective housing
- Networkable (Ethernet, Modbus TCP)

VIBGUARD Viewer PC Software

VIBGUARD Viewer is the perfect companion for configuration of measurement channels, data analysis and reporting. A clear structure makes it very easy to use and provides a working environment where the user feels at home immediately. Advanced functions and the perfectly tailored user interface fulfill even the highest requirements

Overview:

- User friendly
- Single or multi user version
- Homogeneous data structure
- Practical analytical tools
- Open reporting formats (HTML, DOC,...).
- User administration with project-dependent roles.
- Online manager for convenient configuration of measurement tasks.
- ‚To-do‘ outputs for tasks distribution and action-related system messages.

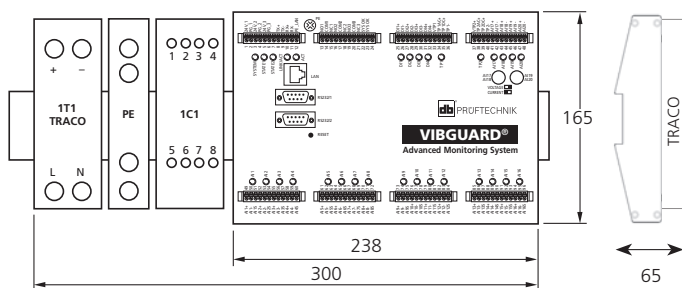
Technical data

PARAMETER	VIB 7.800..	VIB 7.810..	VIB 7.815..	VIB 7.820..	VIB 7.825..
Inputs and Outputs	Analog inputs				
	20 synchronous channels: 16 x vibration, 4 x process parameters (Process channels configurable pairwise for voltage or current signal)				
	Signal type				
	16 x U, 4 x U/I	16 x U (ICP), 4 x U/I	8 x U (ICP) + 8 x U, 4 x U/I	16 x I (CLD*), 4 x U/I	8 x I (CLD) + 8 x U, 4 x U/I
	Sensor types				
	Sensor w/ current or voltage output, Displacement sensor		ICP-type sensor, Sensor w/ current or voltage output, Displacement sensor		CLD-type sensor, Sensor w/ current or voltage output, Displacement sensor
	Digital inputs				
	4 optocoupler inputs 0-30V, Threshold 3V				
	Tacho/ pulse inputs				
	2 frequency inputs ±30V DC and AC. Threshold DC: 2,5V (default)				
Digital outputs					
3 relay changeover contacts, 30VDC/30VAC/2A					
System OK output					
Relay NC, 30VDC/30VAC/2A					
Ethernet					
Data rate: 100 MBit, half duplex					
Serial interface					
2x RS232, 115200 baud					
Services					
Modbus/TCP					
LED indicators					
20x Analog-IN, 1x System, 2x Status, 2x Ethernet, 4x Digital-IN, 2x Tacho-IN					
Measurement	Dynamic range				
	110 dB @ 24 bit				
	Sampling rate				
	131 kHz / 50 kHz bandwidth				
	FFT lines				
6400 (standard), 102400 (analysis)					
Measuring range, process channels					
± 24V or 4-20 mA, ±20mA					
Measuring range, analog inputs					
± 24V	--	± 24V	--	± 24V	
General	Ambient temperature				
	Stand-alone module: -20°C ... +70°C Module in protective housing: -20°C ... +60°C				
	System power supply				
	24±6 VDC / 0.5 A				
	Sensor power supply				
	CLD (Current Linedrive), ICP				
	Memory capacity				
Flash: 2 GB (expandable), RAM: 128 MB					
Case material					
Aluminum					
Weight					
approx. 1.2 kg (system module) approx. 4.0 kg (system module in protective housing 'Compact', VIB 7.8... LH) approx. 13.0 kg (system module in protective housing 'Standard', VIB 7.8... SDH)					
Environmental protection					
IP 20 (IP 65 in protective housing)					

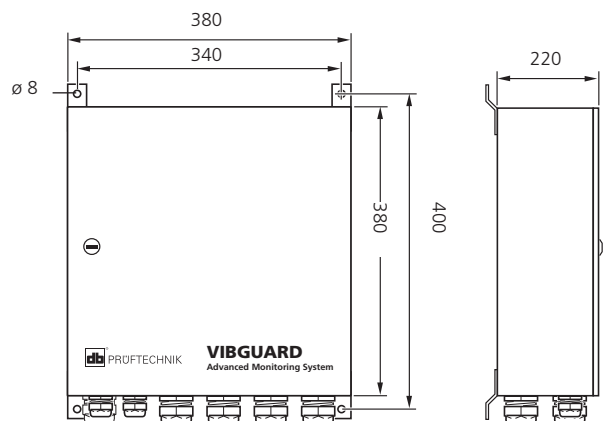
* CLD: Current Linedrive

Dimensions in mm

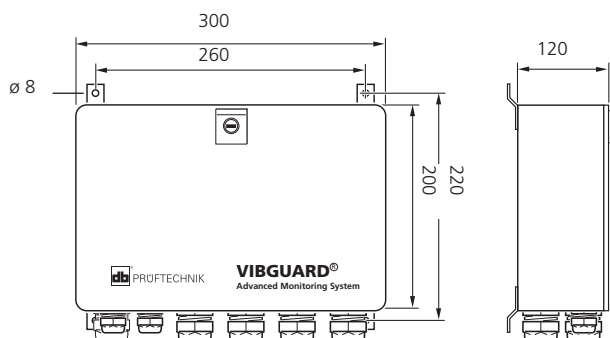
VIBGUARD system module for switching cabinet installation - VIB 7.8xx-PS



VIBGUARD protective housing 'standard', VIB 7.8xx-SDH



VIBGUARD protective housing 'compact', VIB 7.8xx-LH



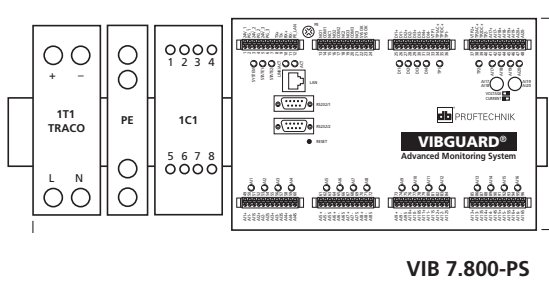
VIBGUARD module for shaft vibration monitoring (16 x U and 4 x U/I)

1

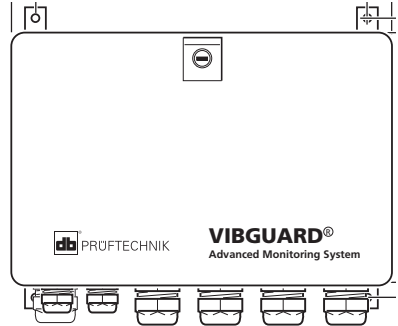
- VIB 7.800-PS : VIBGUARD module (16 x U and 4 x U/I) incl. power supply
- VIB 7.800-LH : VIBGUARD module (16 x U and 4 x U/I) in protective housing ‚compact‘
- VIB 7.800-SDH : VIBGUARD module (16 x U and 4 x U/I) in protective housing ‚standard‘

2

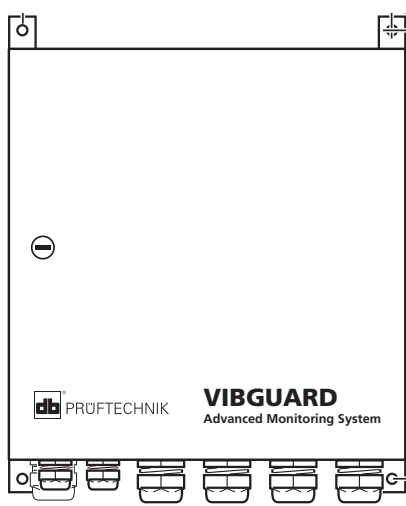
3



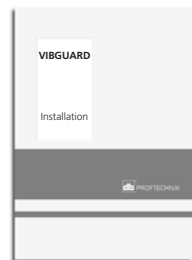
VIB 7.800-PS



VIB 7.800-LH



VIB 7.800-SDH



LIT 78.200

Application

This module is used for monitoring of shaft vibrations which are measured by sensors with voltage output. A total of 16 analog channels for voltage signals are available. Four additional channels can be configured in pairs for current or voltage signals.

Scope of supply

- VIBGUARD comes in the following versions:
- Standalone module incl. power supply completely wired and mounted on DIN rail for installation in an existing switching cabinet.
 - Module and power supply components completely wired and assembled in the PRUFTECHNIK protective housing „Compact“ or „Standard“.

The „Standard“ protective housing provides sufficient space when more than 50% of the terminals must be wired to the module. The smaller „Compact“ housing is sufficient for installations with fewer measurement channels.

Also included:
LIT 78.200.EN VIBGUARD Installation Guide

Accessories

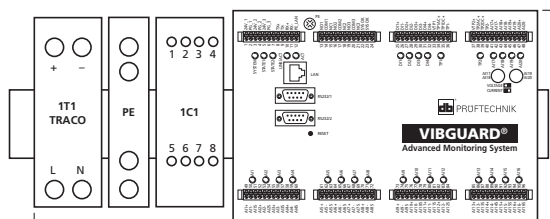
VIBGUARD Viewer, PC software (Chapter 2).

VIBGUARD module for machine vibration monitoring (16 x ICP und 4 x U/I)

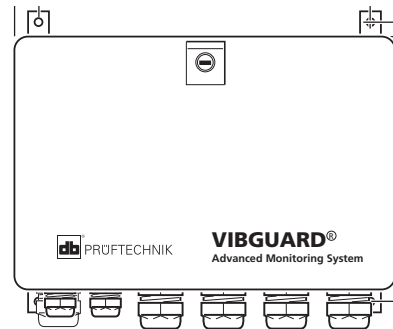
VIB 7.810-PS : VIBGUARD module (16 x ICP and 4 x U/I) incl. power supply

VIB 7.810-LH : VIBGUARD module (16 x ICP and 4 x U/I) in protective housing ‚compact‘

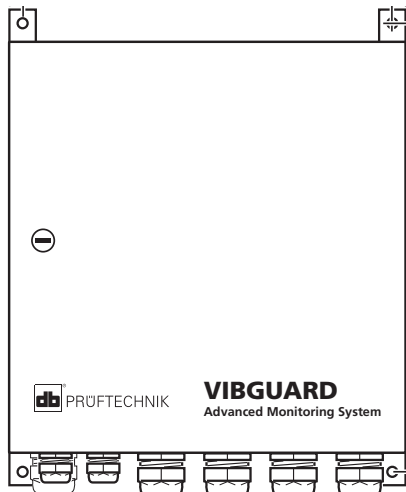
VIB 7.810-SDH : VIBGUARD module (16 x ICP and 4 x U/I) in protective housing ‚standard‘



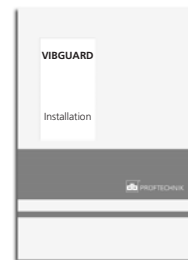
VIB 7.810-PS



VIB 7.810-LH



VIB 7.810-SDH



LIT 78.200

Application

This module is used for monitoring of machine vibration parameters which are measured by ICP-type accelerometers. A total of 16 analog channels for ICP signals are available. Four additional channels can be configured in pairs for current or voltage signals.

Scope of supply

VIBGUARD comes in the following versions:

- Standalone module incl. power supply completely wired and mounted on DIN rail for installation in an existing switching cabinet.
- Module and power supply components completely wired and assembled in the PRÜFTECHNIK protective housing "Compact" or "Standard".

The „Standard“ protective housing provides sufficient space when more than 50% of the terminals must be wired to the module. The smaller „Compact“ housing is sufficient for installations with fewer measurement channels.

Also included:

LIT 78.200.EN VIBGUARD Installation Guide

Accessories

VIBGUARD Viewer, PC software (Chapter 2).

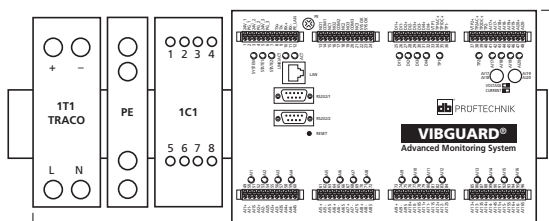
VIBGUARD module for process parameters / vibration monitoring (8 x ICP, 8 x U, 4 x U/I)

1

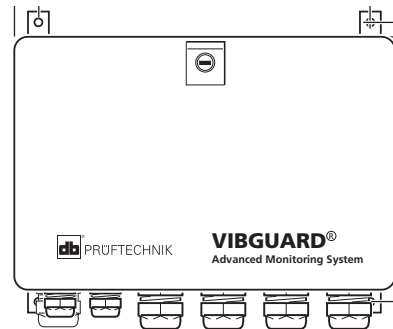
- VIB 7.815-PS : VIBGUARD module (8 x ICP, 8 x U, 4 x U/I) incl. power supply
- VIB 7.815-LH : VIBGUARD module (8 x ICP, 8 x U, 4 x U/I) in protective housing ‚compact‘
- VIB 7.815-SDH : VIBGUARD module (8 x ICP, 8 x U, 4 x U/I) in protective housing ‚standard‘

2

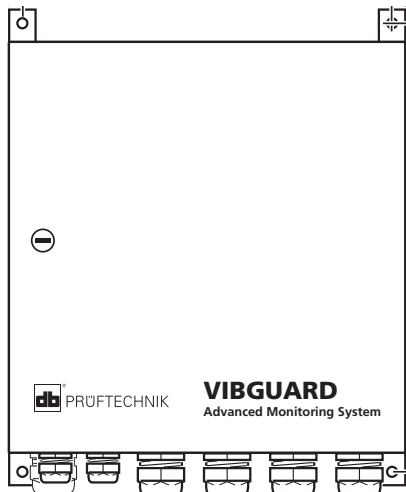
3



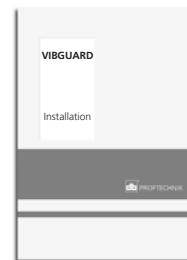
VIB 7.815-PS



VIB 7.815-LH



VIB 7.815-SDH



LIT 78.200

Application

This module is used for monitoring of machine vibration process parameters which are measured by ICP-type accelerometers and sensors with voltage output respectively. In each case eight analog channels for ICP and voltage signals are available. Four additional channels can be configured in pairs for current or voltage signals.

Scope of supply

VIBGUARD comes in the following versions:

- Standalone module incl. power supply completely wired and mounted on DIN rail for installation in an existing switching cabinet.
- Module and power supply components completely wired and assembled in the PRUFTECHNIK protective housing „Compact“ or „Standard“.

The „Standard“ protective housing provides sufficient space when more than 50% of the terminals must be wired to the module. The smaller „Compact“ housing is sufficient for installations with fewer measurement channels.

Also included:

LIT 78.200.EN VIBGUARD Installation Guide

Accessories

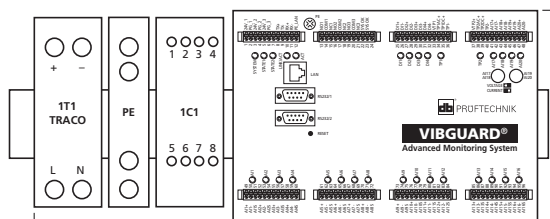
VIBGUARD Viewer, PC software (Chapter 2).

VIBGUARD module for machine vibration monitoring (16 x CLD und 4 x U/I)

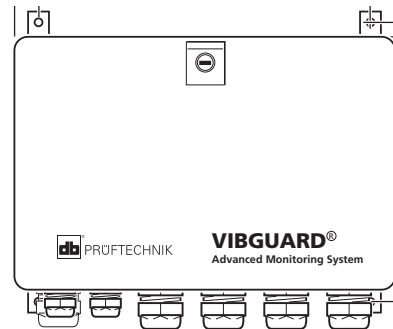
VIB 7.820-PS : VIBGUARD module (16 x CLD and 4 x U/I) incl. power supply

VIB 7.820-LH : VIBGUARD module (16 x CLD and 4 x U/I) in protective housing ‚compact‘

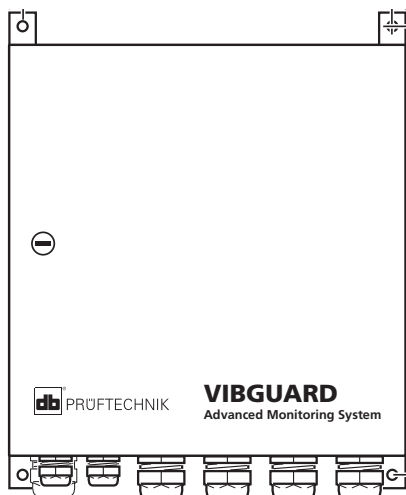
VIB 7.820-SDH : VIBGUARD module (16 x CLD and 4 x U/I) in protective housing ‚standard‘



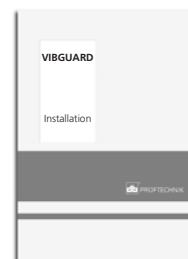
VIB 7.820-PS



VIB 7.820-LH



VIB 7.820-SDH



LIT 78.200

Application

This module is used for monitoring of machine vibration parameters which are measured by CLD*-type accelerometers. A total of 16 analog channels for CLD signals are available. Four additional channels can be configured in pairs for current or voltage signals.

Scope of supply

VIBGUARD comes in the following versions:

- Standalone module incl. power supply completely wired and mounted on DIN rail for installation in an existing switching cabinet.
- Module and power supply components completely wired and assembled in the PRÜFTECHNIK protective housing „Compact“ or „Standard“.

The „Standard“ protective housing provides sufficient space when more than 50% of the terminals must be wired to the module. The smaller „Compact“ housing is sufficient for installations with fewer measurement channels.

Also included:

LIT 78.200.EN VIBGUARD Installation Guide

Accessories

VIBGUARD Viewer, PC software (Chapter 2).

* CLD: Current Linedrive

VIBGUARD module for process parameters / vibration monitoring (8 x CLD, 8 x U, 4 x U/I)

1

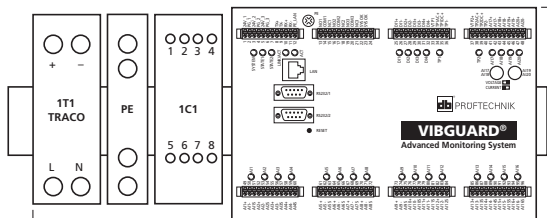
VIB 7.825-PS : VIBGUARD module (8 x CLD, 8 x U, 4 x U/I) incl. power supply

VIB 7.825-LH : VIBGUARD module (8 x CLD, 8 x U, 4 x U/I) in protective housing ‚compact‘

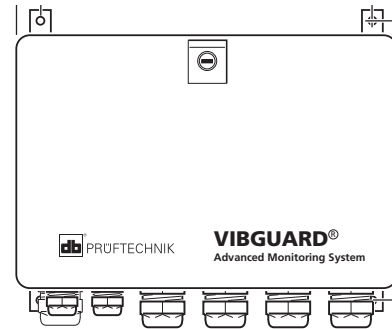
VIB 7.825-SDH : VIBGUARD module (8 x CLD, 8 x U, 4 x U/I) in protective housing ‚standard‘

2

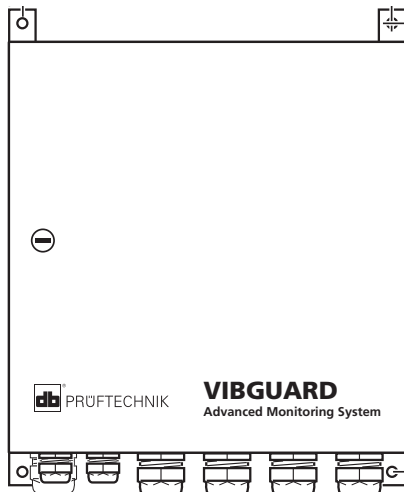
3



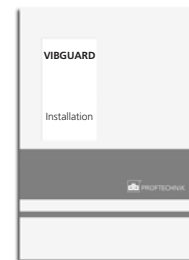
VIB 7.825-PS



VIB 7.825-LH



VIB 7.825-SDH



LIT 78.200

Application

This module is used for monitoring of machine vibration process parameters which are measured by CLD-type accelerometers and sensors with voltage output respectively. In each case eight analog channels for CLD and voltage signals are available. Four additional channels can be configured in pairs for current or voltage signals.

Scope of supply

VIBGUARD comes in the following versions:

- Standalone module incl. power supply completely wired and mounted on DIN rail for installation in an existing switching cabinet.
- Module and power supply components completely wired and assembled in the PRÜFTECHNIK protective housing "Compact" or "Standard".

The „Standard“ protective housing provides sufficient space when more than 50% of the terminals must be wired to the module. The smaller „Compact“ housing is sufficient for installations with fewer measurement channels.

Also included:

LIT 78.200.EN VIBGUARD Installation Guide

Accessories

VIBGUARD Viewer, PC software (Chapter 2).

* CLD: Current Linedrive

VIBGUARD portable – portable online condition monitoring system (CMS)

VIB 7.800-MOB : VIBGUARD portable

VIB 7.800-MOBIPC : VIBGUARD portable with integrated industrial PC

1

2

3



VIB 7.800-MOB



VIB 7.800-MOBIPC



LIT 78.202

Application

The portable version of the VIBGUARD condition monitoring system is ideal for temporary diagnosis and troubleshooting of machines for which multiple channels have to be recorded and analyzed simultaneously over an extended period.

Features

VIBGUARD portable can accommodate all available VIBGUARD modules. All components are installed in a robust, industrial-proofed aluminum case. The sensor, communication and power supply connections are wired internally at the factory and can be accessed via a convenient side compartment. A cover protects the connections against environmental influences.

The standard method of data transfer is via the local wired network (LAN, Ethernet). Alternatively, the system can be connected directly to a laptop PC. At locations without a network infrastructure, a wireless connection provided by the customer can also be used.

The second version features an integrated industrial PC for data backups and data processing.

Configuration of the measurement tasks and analysis of the measurement data can be performed on an external computer with the VIBGUARD Viewer PC software (not included).

Scope of delivery

VIBGUARD portable is available in the following versions:

- VIBGUARD module (VIB 7.8xx-PS) including power pack and switch, completely wired and mounted on standard rails in a case.
- VIBGUARD module (VIB 7.8xx-PS) including power pack, switch and industrial PC, completely wired and mounted on standard rails in a case.

Also included:

LIT 78.202.EN VIBGUARD portable, operating manual

Additions

VIBGUARD Viewer PC software (VIB 8.150-CD).

VIBGUARD Device points (VIB 8.161)

Technical data

PARAMETER		VIB 7.800-MOB	VIB 7.800-MOBIPC
Environment / Case	Technical data: VIBGUARD module	see page 7	
	Temperature range	-20 °C ... +60 °C	-20 °C ... +45 °C
	Weight	approx. 11 kg	approx. 14 kg
	Protection type	IP 64 (also when side compartment is open)	
	Dimensions, case (L x W x D)	445 x 220 x 355 mm	
	Material, case	Aluminium	
	Connectors	20x TNC (Sensors), 8x M12 (dig. I/O; Tacho pulse), 1x power supply, 1x Ethernet (RJ45)	

Information on all other components, such as industrial PC, switch and power pack, is available on request.

1

2

3

Chapter 2

VIBGUARD Viewer



VIBGUARD Viewer, PC software

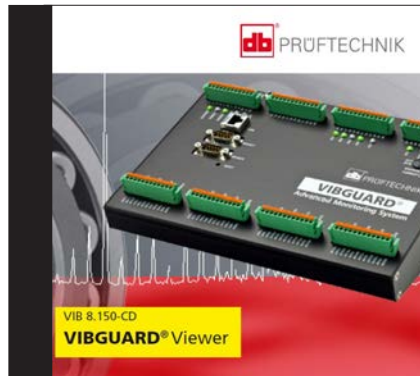
1

VIB 8.151 : VIBGUARD Viewer, Single user version

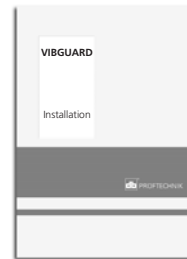
VIB 8.155 : VIBGUARD Viewer, Client server version

2

3



VIB 8.150-CD



LIT 78.201

Description

VIBGUARD Viewer is a PC software for analysis and documentation of measurement data that is collected with the VIBGUARD online Condition Monitoring System. The program is also used to configure the measurement tasks and for system administration.

The software is networkable and designed as a client-server application. The server is the central utility that allows all data to be managed. It is installed on a computer which is permanently accessible on the network and can be addressed by multiple clients.

The client provides the graphical user interface on a personal computer. It allows the entry and display of the data and connects to the server for data exchange.

For standalone applications, an adapted version is available, in which the tasks of the server and the clients are combined.

Scope of supply:

VIB 8.150-CD VIBGUARD Viewer installation CD
(Double CD, includes VIBGUARD Viewer Client server and Single user version)

LIT 78.201.EN VIBGUARD Viewer, Getting started guide

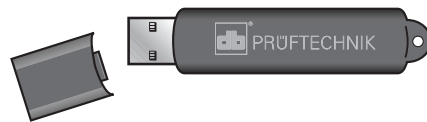
Accessories

VIBGUARD Viewer, User and Function licenses (see next pages).

VIBGUARD Viewer User Licences

VIB 8.156 : VIBGUARD Viewer Client Server, 1 additional floating user licence

VIB 8.157 : VIBGUARD Viewer Client Server, 5 additional floating user licences



VIB 8.150-USB



Description

User licenses control access to the VIBGUARD Viewer database in the client server version. Additional floating licences can be ordered to expand the number of users that can simultaneously operate in the program.

The activation of the licenses is done either online via the Internet or manually by sending the appropriate activation code.

Scope of supply:

VIB 8.150-USB VIBGUARD Viewer USB pendrive
(includes VIBGUARD Viewer Client server
and Single user version)

VIBGUARD Viewer function licences and device points

1

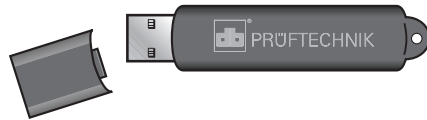
VIB 8.160 : VIBGUARD Viewer, licence for Email center

2

VIB 8.161 : VIBGUARD Viewer, licence for 8 device points

VIB 8.162 : VIBGUARD Viewer, licence for 4 device points

3

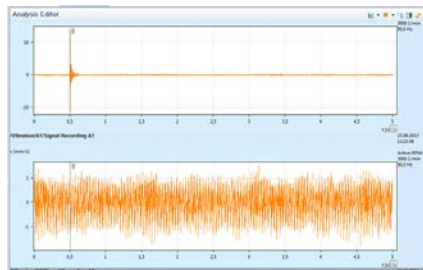


VIB 8.150-USB

4



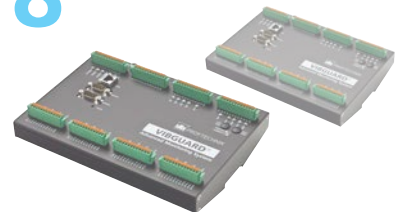
eMail



4 device points for ‚Event Recording‘

8

8



8 device points for VIBGUARD

Description

Function licenses and device points allow the use of optional program features, such as the PRÜFTECHNIK Email-Center or the event-triggered recording of signals (‚Event Recording‘).

The following functions are activated via device points:

- Communication with VIBGUARD: 8 Device Points
- ‚Event Recording‘: 4 Device points

The activation of the licenses is done either online via the Internet or manually by sending the appropriate activation code.

Scope of supply:

VIB 8.150-USB VIBGUARD Viewer USB pendrive
(includes VIBGUARD Viewer Client server and Single user version)

Event Recording

This function uses a transient event to trigger the recording of up to 22 time waveforms, each with pre and post history.

Examples of transient events: pressure drop in a pipe, torque peaks at a cardan shaft drive.

Features

- Records up to 22 time waveforms with an event
- Ring memory (120 MB) for long recording time
- Trigger: alarm status or signal threshold

Chapter 3 VIBGUARD accessories

- 1
- 2
- 3



Connection modules for VIBGUARD (4 x CLD / 4 x ICP)

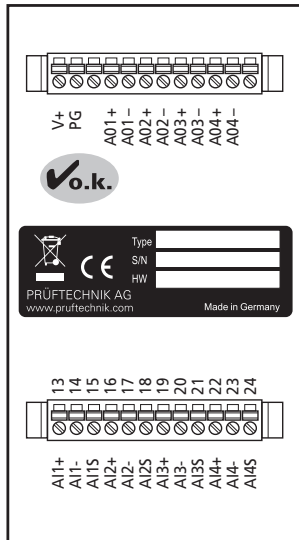
1

VIB 7.830-CLD : VIBGUARD connection module for 4 additional CLD-type accelerometers

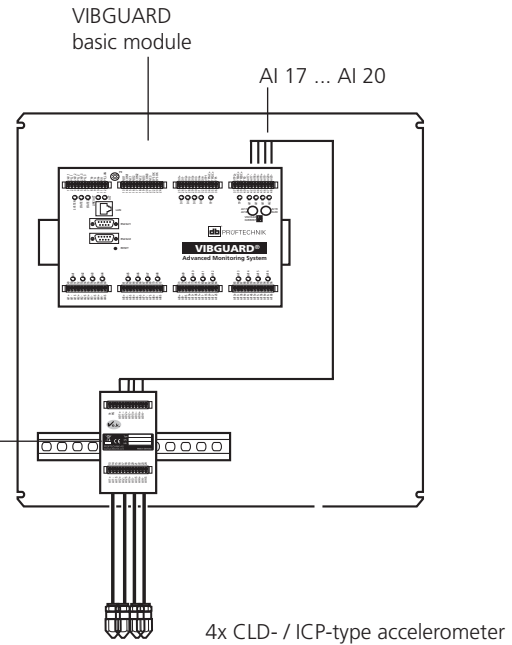
VIB 7.830-ICP : VIBGUARD connection module for 4 additional ICP-type accelerometers

2

3



VIB 7.830-CLD
VIB 7.830-ICP
Connection module



Application

These modules are used to connect up to four accelerometers on up to four analog voltage inputs

on VIBGUARD. The modules are universal and can be used with any VIBGUARD version in any combination.

Terminal assignment

TERM	Function	TERM	Function		
VIB 7.830-CLD / VIB 7.830-ICP	1	V+	VIB 7.830-CLD / VIB 7.830-ICP	13	AI1+
	2	PG		14	AI1-
	3	nc		15	AI1S
	4	nc		16	AI2+
	5	AO1+		17	AI2-
	6	AO1-		18	AI2S
	7	AO2+		19	AI3+
	8	AO2-		20	AI3-
	9	AO3+		21	AI3S
	10	AO3-		22	AI4+
	11	AO4+		23	AI4-
12	AO4-	24	AI4S		

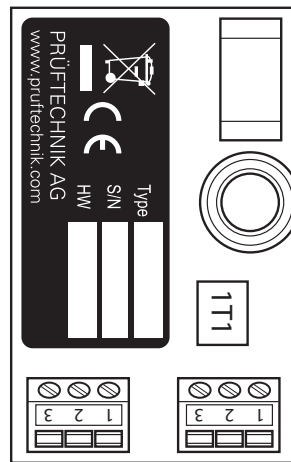
- V+ Supply voltage 24VDC (+10V ...+30V)
- PG Power Ground (0V)
- nc not connected
- AO Sensor signal
- AI Sensor connection
- AI_S Shield (insulated on the sensor side)

Technical data

PARAMETER	VIB 7.830-CLD	VIB 7.830-ICP	
Electrical	Inputs	4 analog inputs (U ₀ : 10 V; I _{max} : 9.5 mA)	4 analog inputs (U ₀ : 22.5 V; I _{const} : 4.5 mA)
	Outputs	4 analog sensor signals outputs (impedance-converted & rescaled: 1mV/1µA)	4 analog sensor signal outputs (impedance-converted)
	Supply	+24 VDC (+10 V...+30 V)	
	Power input	1150 mW (max 1850 mW)	1250 mW (max 1400 mW)
	Insulation	Module supply and sensor supply are electrically isolated	
Mechanical	Temperature range	-20 °C...+70 °C	
	Terminals	Spring-loaded connection (0.25mm ² ..1.5mm ²)	
	Housing	Aluminum housing IP20 for TS35 top hat rail mounting	
	Dimensions	66 x 105 x 48 mm	
Weight	220 g		

VIB 7.835: DC-DC converter for 24V power supply

- 1
- 2
- 3



Application

The DC-DC converter converts DC voltage from an external 24V supply into a 24V DC voltage, which is virtually

free of noise. The converter is installed by default when VIBGUARD is supplied with 24V provided by the customer.

Terminal assignment

TERM	Function	
VIB 7.835	1	VIN+
	2	VIN-
	3	nc
	4	VOUT+
	5	DNC
	6	VOUT-

VIN+ Input voltage +24VDC
 VIN- Input voltage 0V
 nc not connected
 VOUT+ Output voltage +24VDC
 DNC DO NOT connect!
 VOUT- Output voltage 0V

Technical data

PARAMETER		VIB 7.835
Electrical	Output voltage	+ 24 VDC
	Output current	max. 800 mA; short-circuit protection
	Input voltage	+24VDC (+18V...+30V)
	Input current on VIN	+24VDC max +950 mA; fuse T2A
	Insulation	Input and Output are electrically isolated
Mechanical	Temperature range	-20 °C...+70 °C
	Terminals	Screw terminals (0.25mm ² ...2.5mm ²)
	Housing	Plastic housing IP20 for TS35 and TS15 top hat rail mounting
	Dimensions	45 x 77.5 x 46 mm
Weight	95g	

Online VIEW 4.0 - Visualization software for Online CMS

1

VIB 8.170: Online VIEW 4.0 for up to 100 data points

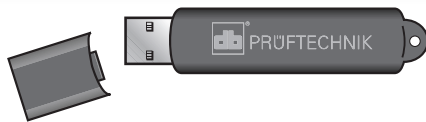
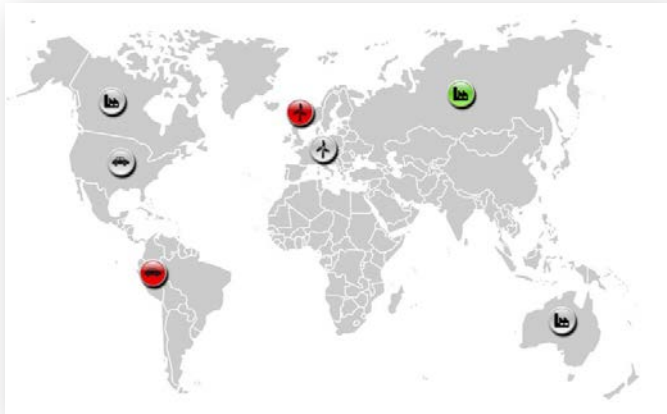
VIB 8.171: Online VIEW 4.0 for up to 250 data points

VIB 8.172: Online VIEW 4.0 for up to 500 data points

2

VIB 8.173: Online VIEW 4.0 for up to 1000 data points

3



VIB 8.140-USB

Application

This web-based software is used for online visualization of machine condition data that is collected with PRUFTECHNIK online CMS* and provided via Modbus TCP. The data is displayed in real time on a PC or mobile devices.

Online VIEW 4.0 runs in a current browser, where the monitored assets, machines and the relevant status information are presented clearly and attractively.

Scope of supply:

VIB 8.140-USB Online VIEW 4.0 USB pendrive

Note

The individual software packages are available based on the required data points. A data point corresponds to a Modbus address, i.e. a characteristic overall value, or an alarm, or a warning is one data point.

* CMS: Condition Monitoring System

Overview

- Client-Server application
- No additional client software required, web browser with Silverlight plug-in is sufficient.
- Visualization on mobile devices as an option
- Configuration and commissioning done by PRUFTECHNIK
- User interface in more than 150 languages
- Visualization of three levels (asset, machine train, machine) plus status overview
- Status overview with traffic light function
- Several display options for data visualization (bar chart, digital meters, analog instrument)
- Historical data and live data, each as a trend
- Compatible online CMS:
 - VIBGUARD
 - WEARSCANNER
 - VIBNODE
 - VIBROWEB
 - VIBROWEB XP
 - VIBCONNECT RF

Index by order number

Order no.	Page
-----------	------

L

LIT 78.200.EN.....	8
LIT 78.201.EN.....	16

V

VIB 7.800-LH.....	8
VIB 7.800-MOB.....	13
VIB 7.800-MOBIPC.....	13
VIB 7.800-PS.....	8
VIB 7.800-SDH.....	8
VIB 7.810-LH.....	9
VIB 7.810-PS.....	9
VIB 7.810-SDH.....	9
VIB 7.815-LH.....	10
VIB 7.815-PS.....	10
VIB 7.815-SDH.....	10
VIB 7.820-LH.....	11
VIB 7.820-PS.....	11
VIB 7.820-SDH.....	11
VIB 7.825-LH.....	12
VIB 7.825-PS.....	12
VIB 7.825-SDH.....	12
VIB 7.830-CLD.....	20
VIB 7.830-ICP.....	20
VIB 7.835.....	21
VIB 8.150-CD.....	16
VIB 8.150-USB.....	17
VIB 8.151.....	16
VIB 8.155.....	16
VIB 8.156.....	17
VIB 8.157.....	17
VIB 8.160.....	18
VIB 8.161.....	18
VIB 8.162.....	18
VIB 8.170.....	22
VIB 8.171.....	22
VIB 8.172.....	22
VIB 8.173.....	22

PRÜFTECHNIK
Condition Monitoring
Oskar-Messterstr. 19-21
85737 Ismaning, Germany
www.pruftechnik.com
Tel.: +49 8999616-0
Fax: +49 8999616-300
eMail: info@pruftechnik.com



Printed in Germany LIT.78.700.12.2013.EN
VIBGUARD® is a registered trademark of PRÜFTECHNIK Dieter Busch
AG. PRÜFTECHNIK products are the subject of patents granted and
pending throughout the world. Contents subject to change without
further notice, particularly in the interest of further technical devel-
opment. Reproduction, in any form whatsoever, only upon express
written consent of PRÜFTECHNIK.
© Copyright by PRÜFTECHNIK AG

Productive maintenance technology