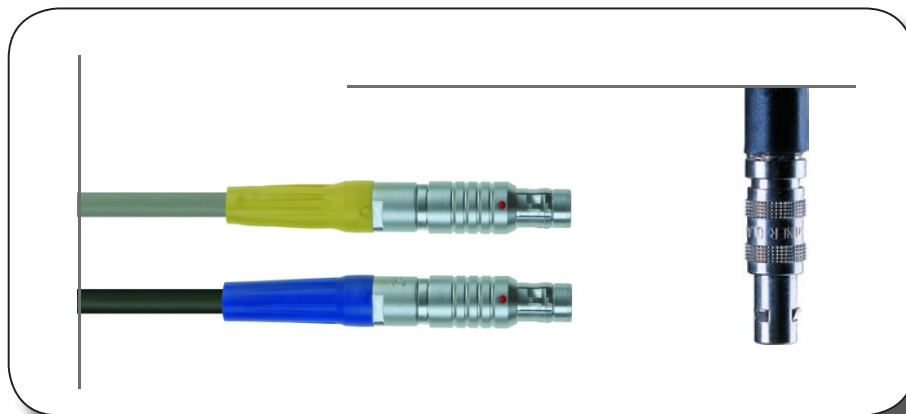


# Chapter 5

## Sensor cables and connection adapters for mobile data collectors



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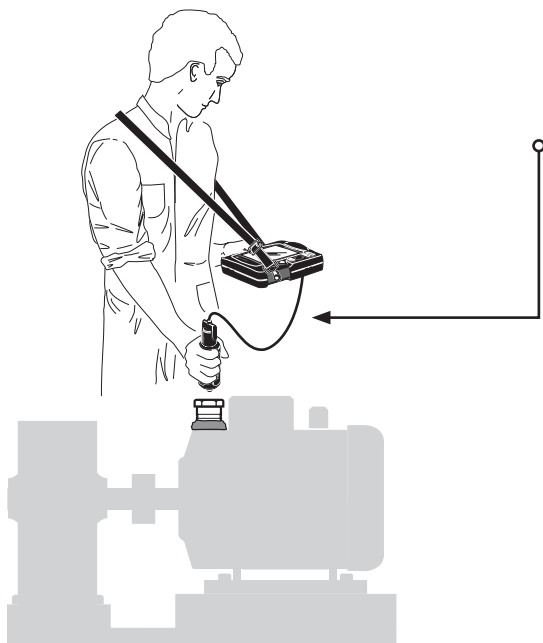
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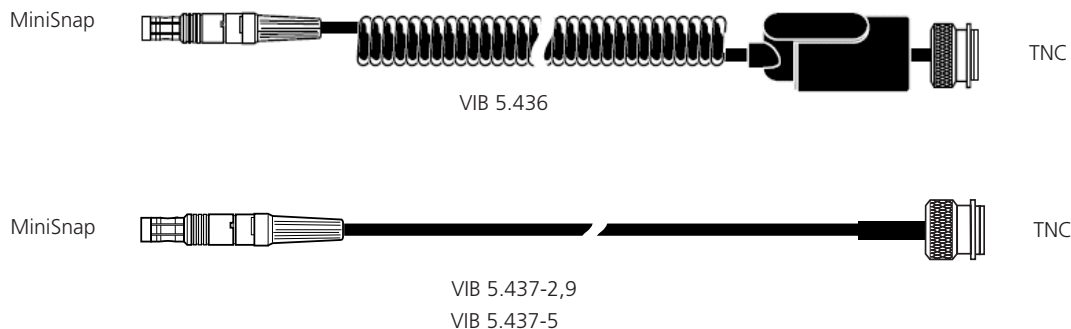
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## Connection cables for current linedrive accelerometers (VIBSCANNER / VIBXPERT)

VIB 5.436 : Spiral connection cable for current linedrive accelerometer (VIBSCANNER / VIBXPERT)

VIB 5.437-2,9 : Straight connection cable for current linedrive accelerometer, 2.9 meters (VIBSCANNER / VIBXPERT)

VIB 5.437-5 : Straight connection cable for current linedrive accelerometer, 5 meters (VIBSCANNER / VIBXPERT)



### Application

These cables are used to connect mobile industrial accelerometers with current linedrive output to the following PRÜFTECHNIK data collectors:

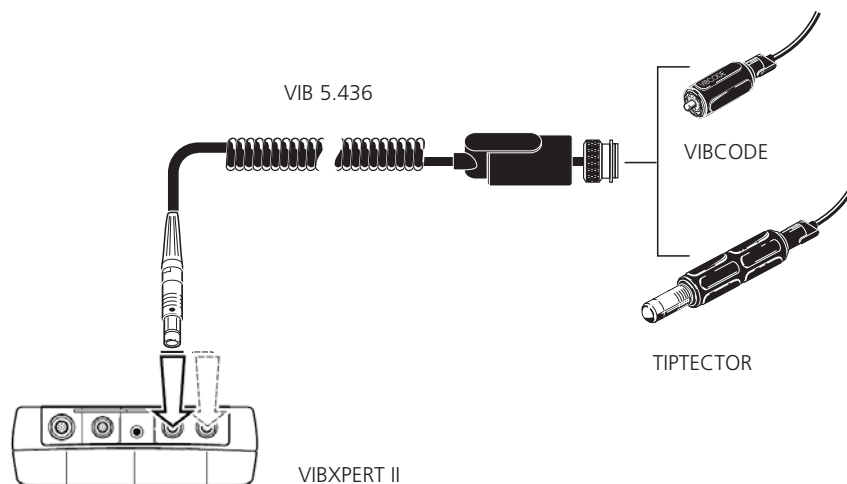
- VIBXPERT II
- VIBXPERT I
- VIBXPERT EX
- VIBSCANNER
- VIBSCANNER EX

### Cable lengths

VIB 5.436	0.7 ... 1.8 m
VIB 5.437-2,9	2.9 m
VIB 5.437-5	5 m

### Connection example

VIBCODE / TIPTECTOR connected to VIBXPERT II



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**VIB 5.444-5 : Universal cable extension for analog measurement channel, 5 meters**

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MiniSnap



MiniSnap

**Application**

With this cable, the analog signal path can be extended by up to five meters.

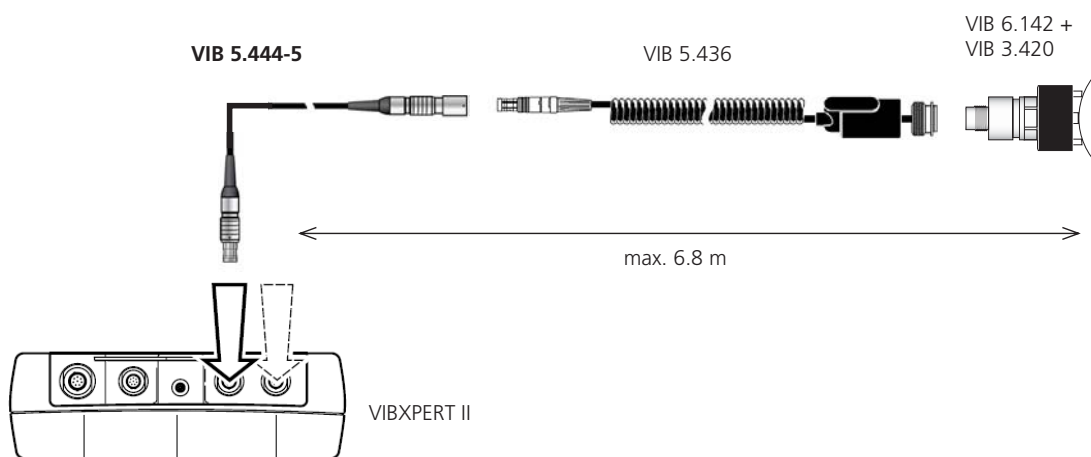
**Extendable sensor cables:**

VIB 5.436 LineDrive spiral cable  
 VIB 5.437-2,9 LineDrive cable, straight, 2.9m  
 VIB 5.437-5 LineDrive cable, straight, 5m  
 VIB 5.438-0,5 ICP cable, BNC connector

VIB 5.422 ICP cable, MIL connector  
 VIB 5.440 VIBREX cable (mV)  
 VIB 5.433 Cable for extra-low voltage  
 VIB 5.433 Cable for extra-low voltage, VIBXPERT EX  
 VIB 5.434 Cable for extra-low current  
 VIB 5.342 Cable for VST 24V adapter

**Note for all cables, except LineDrive**

For cable lengths greater than 2.9 meters, the EMC immunity of the signal path can be adversely affected.

**Connection example**

## VIB 5.339: Cable extension for Current Linedrive accelerometer, 8 meters



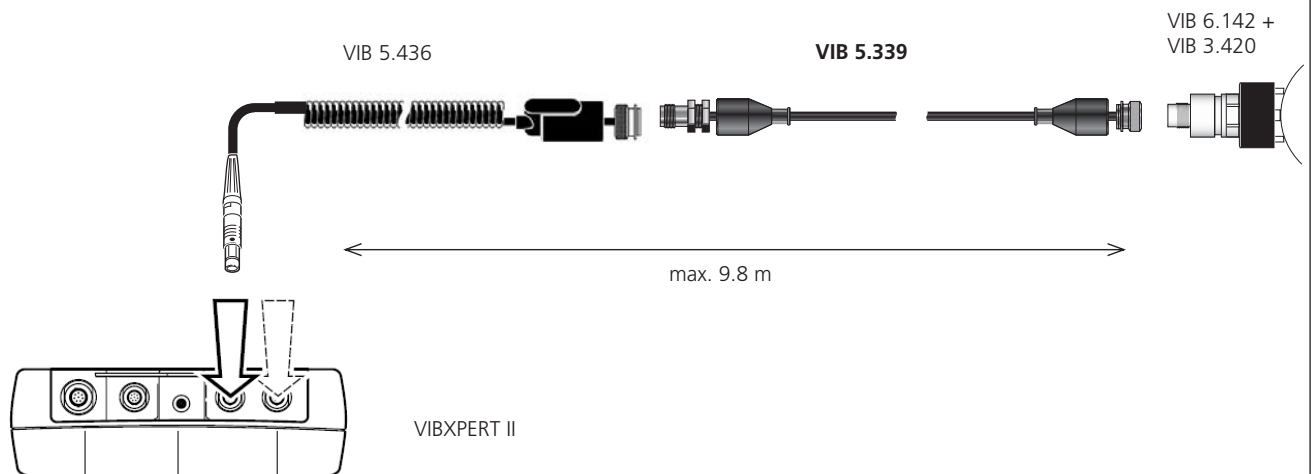
### Application

With this cable, the Current LineDrive sensor cables can be extended by up to eight meters.

### Extendable sensor cables:

- VIB 5.436 LineDrive spiral cable
- VIB 5.437-2,9 LineDrive cable, straight, 2.9m
- VIB 5.437-5 LineDrive cable, straight, 5m

### Connection example



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Connection cables for current linedrive (CLD) accelerometers (VIBROTIP)

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VIB 4.701-2 : Straight connection cable for CLD-type accelerometer, BNC angled plug, 2 meters (VIBROTIP)

VIB 4.701-5 : Straight connection cable for CLD-type accelerometer, BNC angled plug, 5 meters (VIBROTIP)

2

VIB 4.702-2 : Straight connection cable for CLD-type accelerometer, Microdot angled plug, 2 meters (VIBROTIP)

VIB 4.702-5 : Straight connection cable for CLD-type accelerometer, Microdot angled plug, 5 meters (VIBROTIP)

3

VIB 4.704-2 : Straight connection cable for CLD-type accelerometer, TNC angled plug, 2 meters (VIBROTIP)

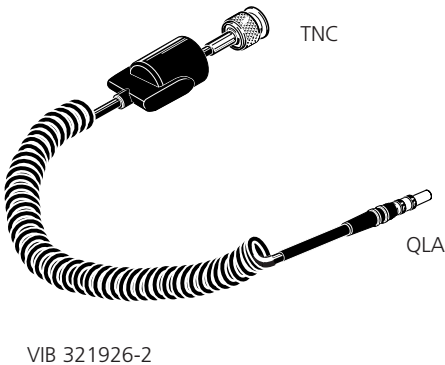
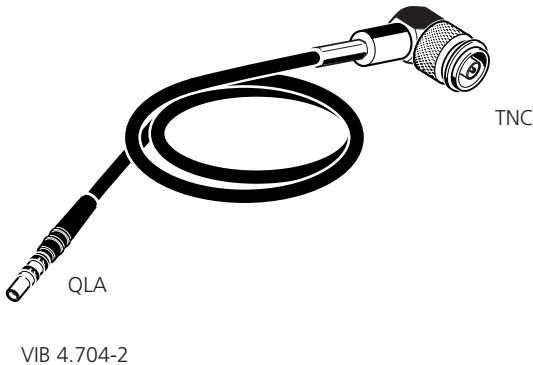
VIB 4.704-5 : Straight connection cable for CLD-type accelerometer, TNC angled plug, 5 meters (VIBROTIP)

VIB 321926-2 : Spiral connection cable for CLD-type accelerometer, TNC plug, 2 meters (VIBROTIP)

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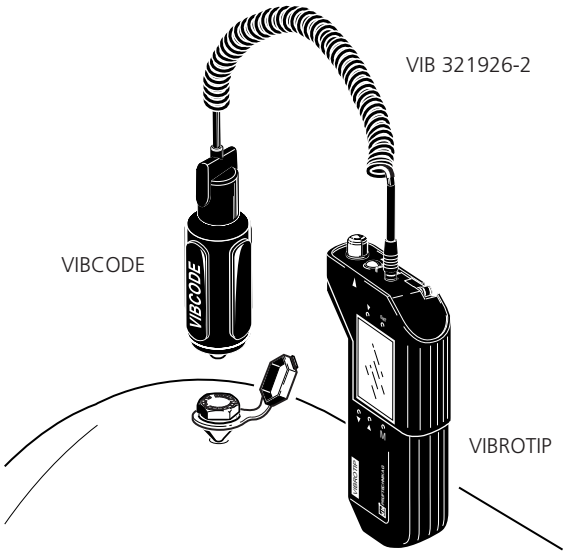
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**Application**  
Standard sensor cable for connecting mobile CLD-type accelerometers to the VIBROTIP data collector.

**Cable length**  
VIB 4.70x-2 /-5 2 m / 5 m  
VIB 321926-2 0.4 ... 2.0 m

**Accessories**  
VIB 8.617 QLA angled plug for VIBROTIP

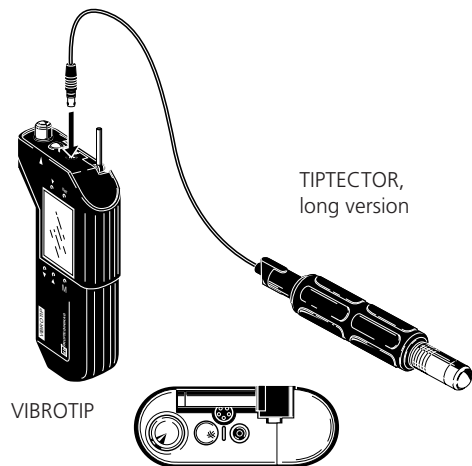
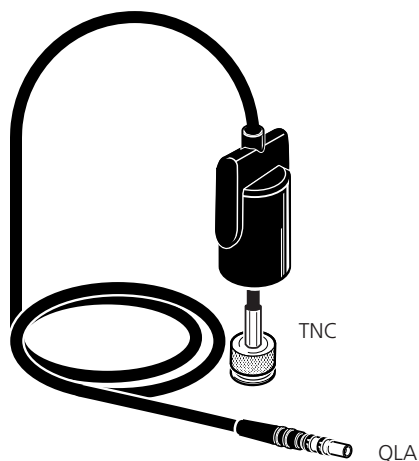
Connection example  
VIBCODE to VIBROTIP



## TIPTECTOR cables (VIBROTIP)

VIB 8.618-1,5 : TIPTECTOR cable, straight, 1.5 meters (VIBROTIP)

VIB 8.618-5 : TIPTECTOR cable, straight, 5 meters (VIBROTIP)



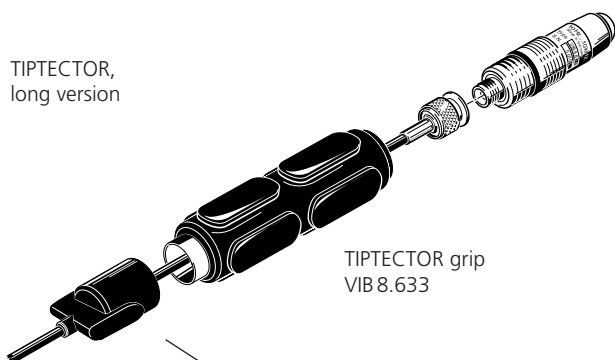
### Application

Spare connection cable for the TIPTECTOR probe.

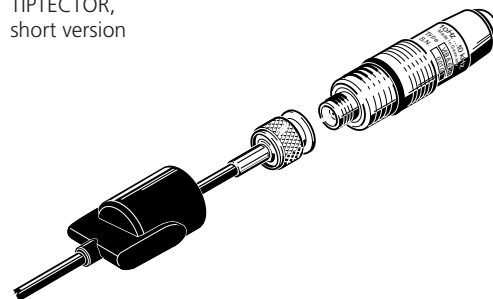
### Note

To disconnect the cable, first pull off the cap, and, with the long version, unscrew the handle. Then unscrew the TNC connector.

### Connection example



TIPTECTOR,  
short version



C

## Connection cables for ICP-type accelerometers (VIBSCANNER / VIBXPERT)

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VIB 5.438-0.5 : Straight connection cable for ICP-type accelerometer, 0.5 m, BNC-connector (VIBSCANNER/ VIBXPERT)

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VIB 5.422 : Spiral connection cable for ICP-type accelerometer, MIL-connector (VIBSCANNER / VIBXPERT)

VIB 5.345-6 : Cable extension for VIB 5.422, 6 meters, MIL-connector (VIBSCANNER / VIBXPERT)

MiniSnap



VIB 5.438-0.5

MiniSnap



VIB 5.422

MIL-C-5015



MIL-C-5015

VIB 5.345-6

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### Application

Standard sensor cable for connecting an ICP-type accelerometer or a microphone to the following data collectors:

- VIBXPERT II
- VIBXPERT I
- VIBXPERT EX\*
- VIBSCANNER

\* The intrinsically safe PRÜFTECHNIK ICP-type accelerometer VIB 6.172 XICP can be connected to VIBXPERT EX using the cable VIB 5.422, and be operated in gas hazardous area.

### Cable length

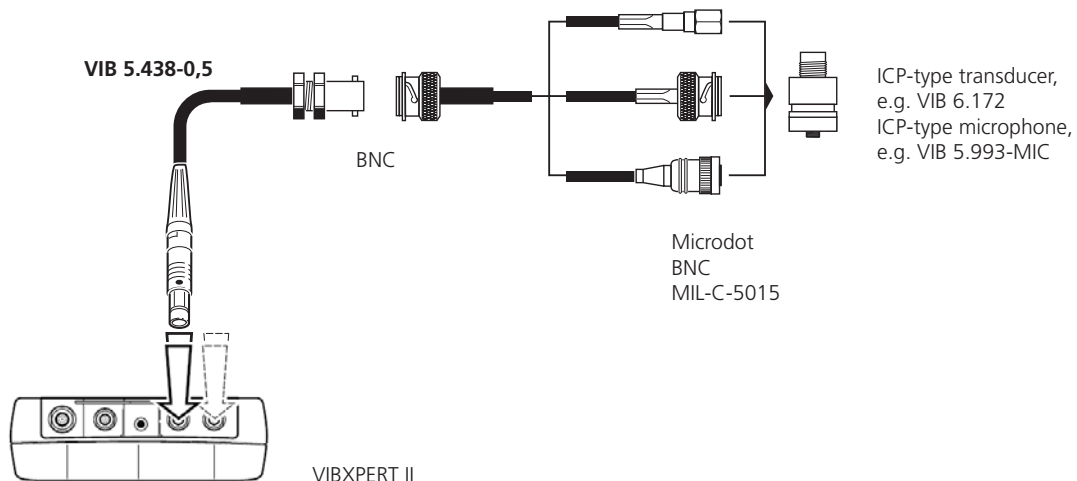
VIB 5.438-0.5	0.5 m
VIB 5.422	0.7 ... 1.8 m
VIB 5.345-6	6 m

### Notes

Applies to cable VIB 5.438-0,5: Depending on which type of connector the transducer has (e.g. Microdot, BNC, MIL-C-5015,...), a suitable cable must have at least one BNC connector.

### Connection example

ICP to VIBXPERT II





## Cable adapters for the measurement of signal-low voltage / current with VIBXPART II

VIB 5.433 : Cable adapter for the measurement of signal-low voltage with VIBXPART II / VIBSCANNER

VIB 5.434 : Cable adapter for the measurement of signal-low current with VIBXPART II / VIBSCANNER



### Application

These cable adapters are used to measure signal-low voltage (AC: 0-30V) or signal levels (DC: 0-30V; 0-30 mA) provided by other measuring instruments.

An additional cable with at least one BNC plug is required to connect the adapter cable to the signal-measuring instrument.

### Safety notes

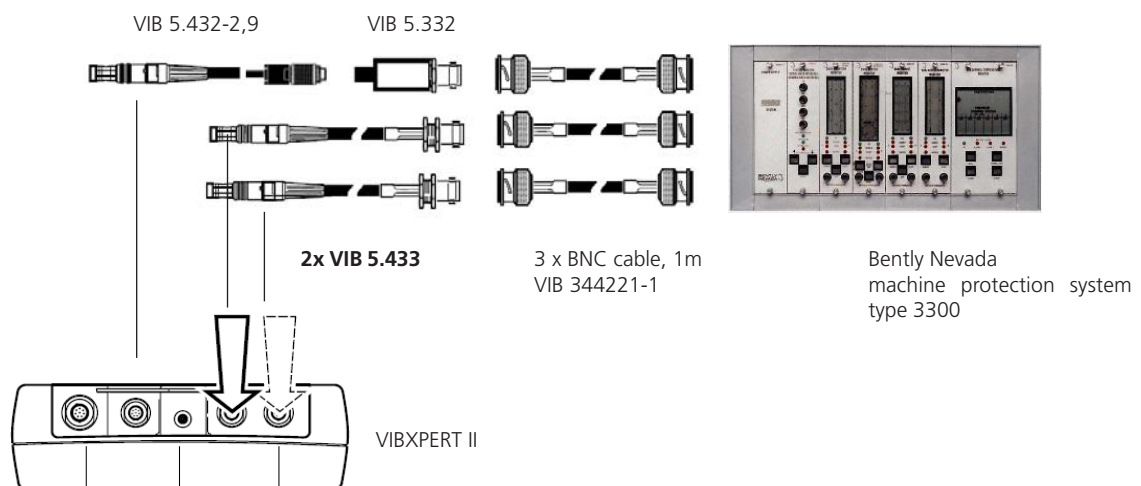
The cable adapters may not be used in hazardous areas!

All electric circuits in VIBXPART II are galvanically connected. If more than one electric circuit is connected, a difference in potential may result in malfunctions.

The length of the spiral cable is 0.7 to 1.8 meters.

### Application example

Measuring shaft vibration via machine protection system (e.g. Bently Nevada 3300) as voltage signal



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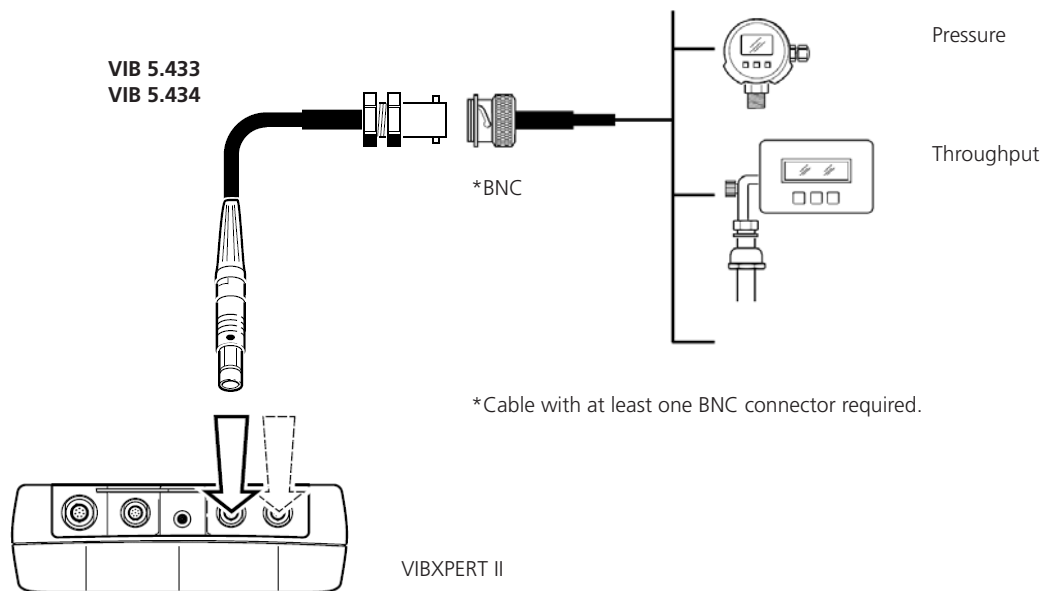
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**Application examples**

- Connection to pressure transmitter: Pressure as a current level (4-20mA)
- Connection to continuous flow measuring instrument:  
Throughput as a current or voltage level (4-20mA / 0-10V)



## VIB 5.433-X : Cable adapter for the measurement of signal-low voltage with VIBXPERT EX / VIBSCANNER EX



### Application

This cable adapter is used to measure signal-low voltage (AC/DC: 0-30V) provided by other measuring instruments.

An additional cable with at least one BNC plug is required to connect the adapter cable to the signal-measuring instrument (see example on next page).

### Safety notes

The cable adapter may not be used in hazardous areas!

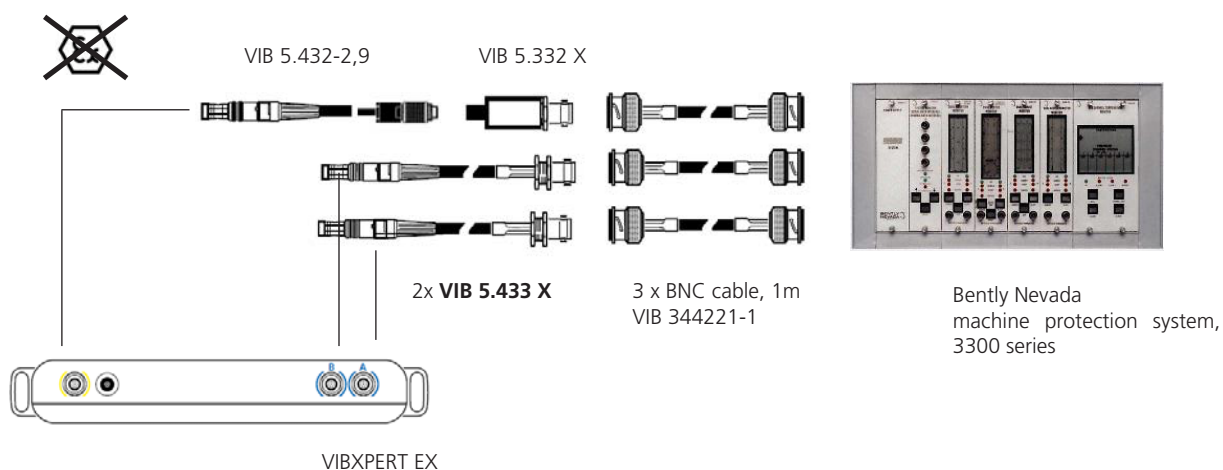
The cable adapter protects the analog port of the data collector (VIBXPERT EX / VIBSCANNER EX) against surges. The adapter must be connected with the data collector only outside the hazardous area to an electrical circuit, whose maximum voltage does not exceed  $265 V_{rms}$  when a malfunction occurs.

### Technical data

PARAMETER		VIB 5.433-X
General	Cable length	0.7 ... 1.8 m
	Temperature range	0°C ... + 40°C
	Maximum measurement error	-2,0% / +2,7%
	Upper frequency for AC measurements	5 kHz

### Application example

Measuring shaft vibration via machine protection system (e.g. Bently Nevada 3300) as voltage signal



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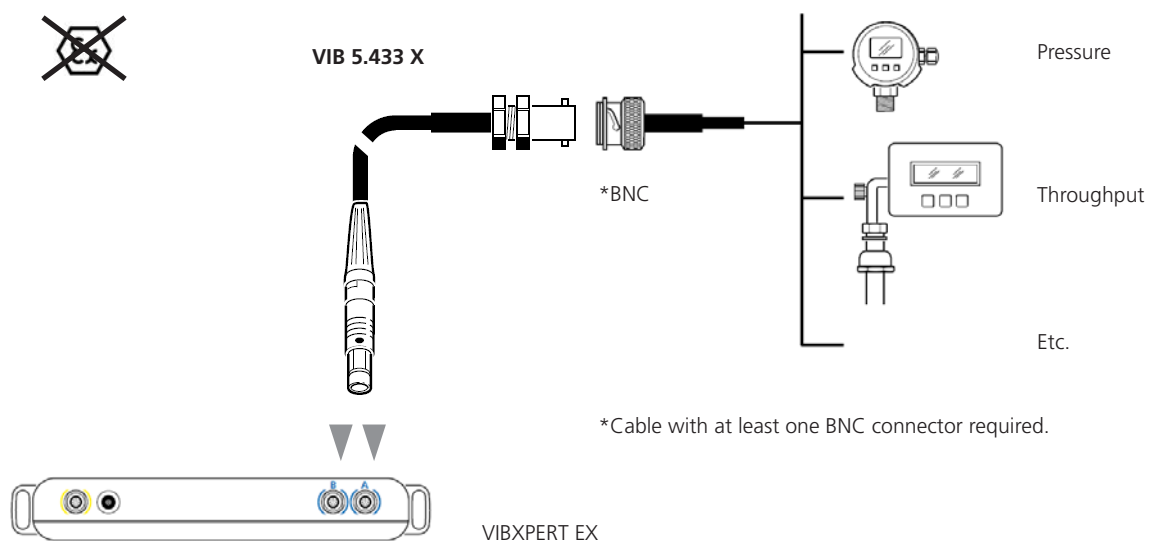
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**Application example**

Pressure / Throughput as a voltage level (0-10V)

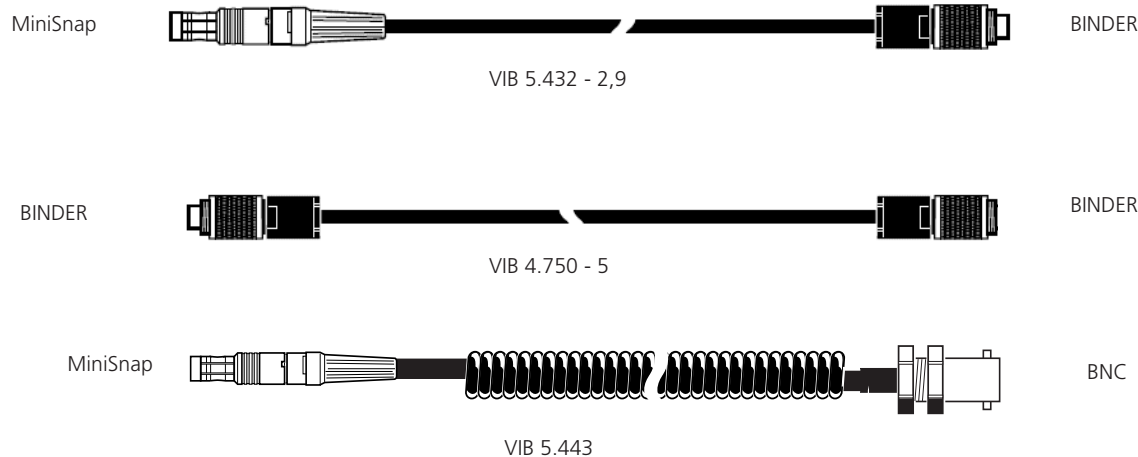


## Connection cables for RPM sensors and trigger sensors (VIBSCANNER / VIBXPERT)

VIB 5.432-2,9 : Connection cable for RPM sensors (VIBSCANNER / VIBXPERT)

VIB 4.750-5 : Cable extension for VIB 5.432-2,9

VIB 5.443 : Connection cable for TTL trigger sensors (VIBSCANNER / VIBXPERT)



### Application

The VIB 5.432-2,9 cable is used to connect the PRÜFTECH-NIK RPM sensors VIB 6.631 or VIB 6.631 EX to the following data collectors:

- VIBXPERT II
- VIBXPERT I
- VIBXPERT EX
- VIBSCANNER
- VIBSCANNER EX

The VIB 5.443 cable is used to connect a trigger sensor from other manufacturers.

#### Cable lengths

VIB 5.432-2,9	2.5 m
VIB 4.750-5	5.0 m
VIB 5.443	0.45 - 1.6 m

### Application example



C

**VIB 5.431 : Cable for analog signal output ( VIBSCANNER / VIBXPERT )**

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**Application**

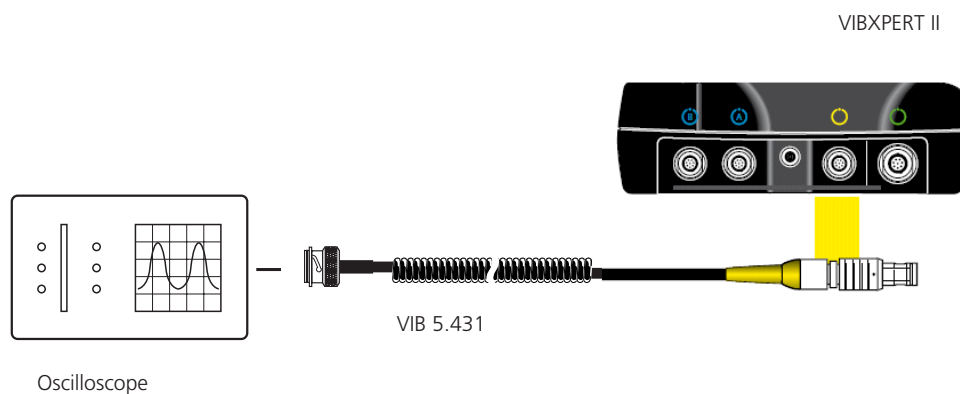
In order to analyze the measured analog signal, a head-set (> 450 Ohm) or an analytical instrument (e.g. oscilloscope) can be connected with this cable to the following data collectors:

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- VIBXPERT II
- VIBXPERT I
- VIBXPERT EX
- VIBSCANNER
- VIBSCANNER EX

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Cable length: 0.7 to 1.8 meters

**Application example**

## VIB 5.332 : Keyphaser adapter for machine protection systems (VIBXPERT)



### Application

This adapter converts a pulse signal (including the DC level) to a 5V rectangular signal. This makes it possible to connect keyphaser, such as from the Bently Nevada, with measuring devices from PRÜFTECHNIK:

- VIBXPERT II
- VIBXPERT I

### Connection

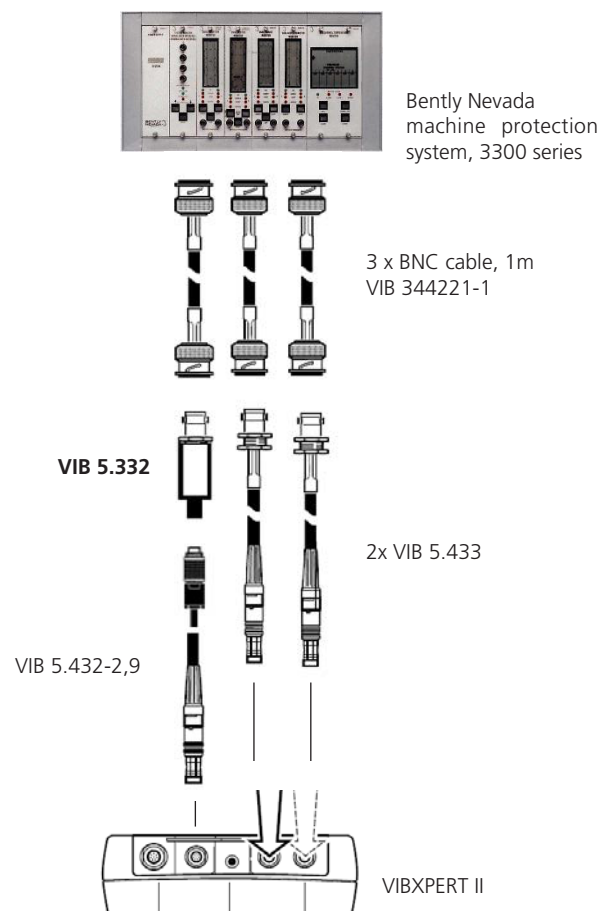
On the device side, the adapter is equipped with an 8-pin binder socket that is connected to trigger cable VIB 5.432-2,9. The signal input side provides a BNC socket.

### Technical data

PARAMETER		VIB 5.332
Electrical	Operating voltage	5.4 V $\pm$ 10%
	Power consumption	0.5 mA
	Input signal, Pulse width	> 100 $\mu$ s
	- , Pulse level	> 500 mV <sub>pp</sub>
	- , DC fraction	+8 V to -30 V
	Output signal	5 V, rectangular signal
	Input resistance	200 kOhm
	Output resistance	1 kOhm
Mechanical	Housing material	Stainless steel, VA 1.4301
	Length, incl. connectors	130 mm
	Diameter	15 mm
	Weight	30 g
	Env. protection class	IP 65
	Temperature range	0°C ... +60°C
Interfaces	Input signal	Binder connector, 8 pin, 712 series
	- , Pin allocation	2 / 5V, 4 / rectangular signal, 7 / GND
	Output signal	BNC connector
	- , Pin allocation	internal contact / signal, external contact / GND

### Application example

VIBXPERT II connected to Bently Nevada 3300 series



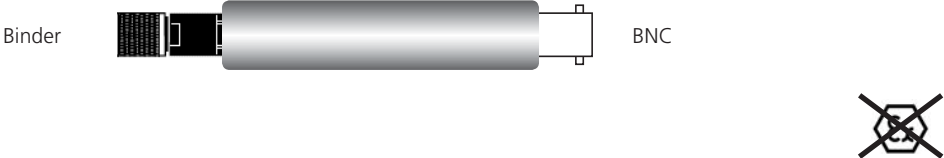
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VIB 5.332-X :   **Keyphaser adapter for machine protection systems (VIBSCANNER EX / VIBXPERT EX)**

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**Application**  
This adapter converts a pulse signal (including the DC level) to a 5V rectangular signal. This makes it possible to connect keyphaser, such as from the Bently Nevada, with measuring devices from PRÜFTECHNIK:

- VIBXPERT EX
- VIBSCANNER EX

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**Connection**  
On the device side, the adapter is equipped with an 8-pin binder socket that is connected to trigger cable VIB 5.432-2,9. The signal input side provides a BNC socket.

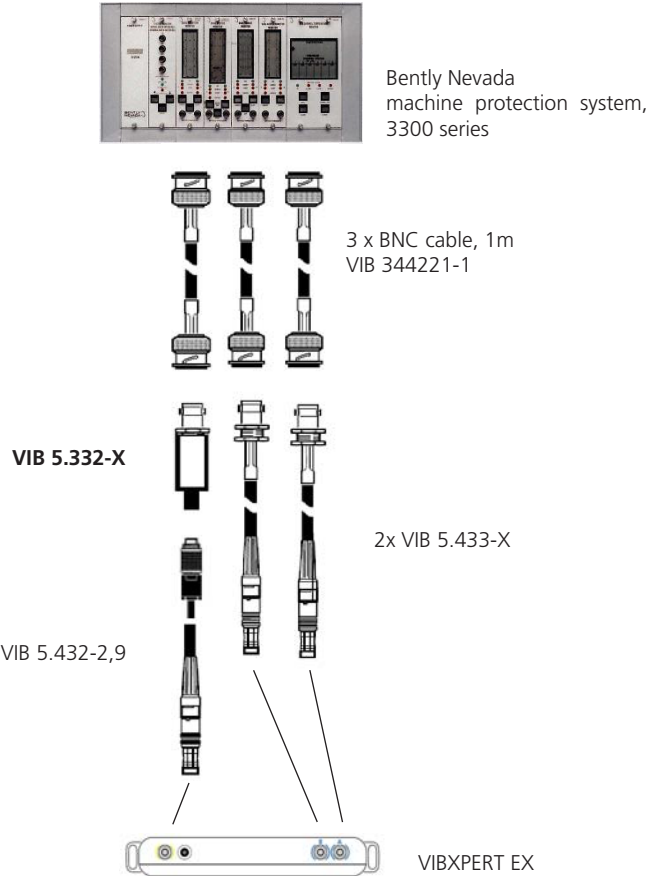
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Technical data

PARAMETER		VIB 5.332-X
Electrical	Operating voltage	5.4 V ± 10%
	Power consumption	0.5 mA
	Input signal, Pulse width	> 100 µs
	-, Pulse level	> 500 mV <sub>pp</sub>
	-, DC fraction	+8 V to -30 V
	Output signal	5 V, rectangular signal
	Input resistance	200 kOhm
	Output resistance	1 kOhm
Mechanical	Housing material	Stainless steel, VA 1.4301
	Length, incl. connectors	130 mm
	Diameter	15 mm
	Weight	30 g
	Env. protection class	IP 65
	Temperature range	0°C ... +40°C
Interfaces	Input signal	Binder connector, 8 pin, 712 series
	-, Pin allocation	2 / 5V, 4 / rectangular signal, 7 / GND
	Output signal	BNC connector
	-, Pin allocation	internal contact / signal, external contact / GND

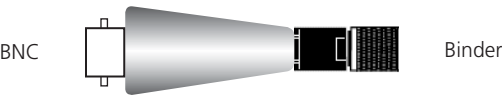
**Safety notes**  
The cable adapter may not be used in hazardous areas!  
The cable adapter protects the digital port of the VIBXPERT EX against surges. The adapter must be connected with VIBXPERT EX only outside the hazardous area to an electrical circuit, whose maximum voltage does not exceed 265 V<sub>rms</sub>, when a malfunction occurs.  
Ambient temperature: 0°C to + 40°C.

Application example  
VIBXPERT EX connected to Bently Nevada 3300 series





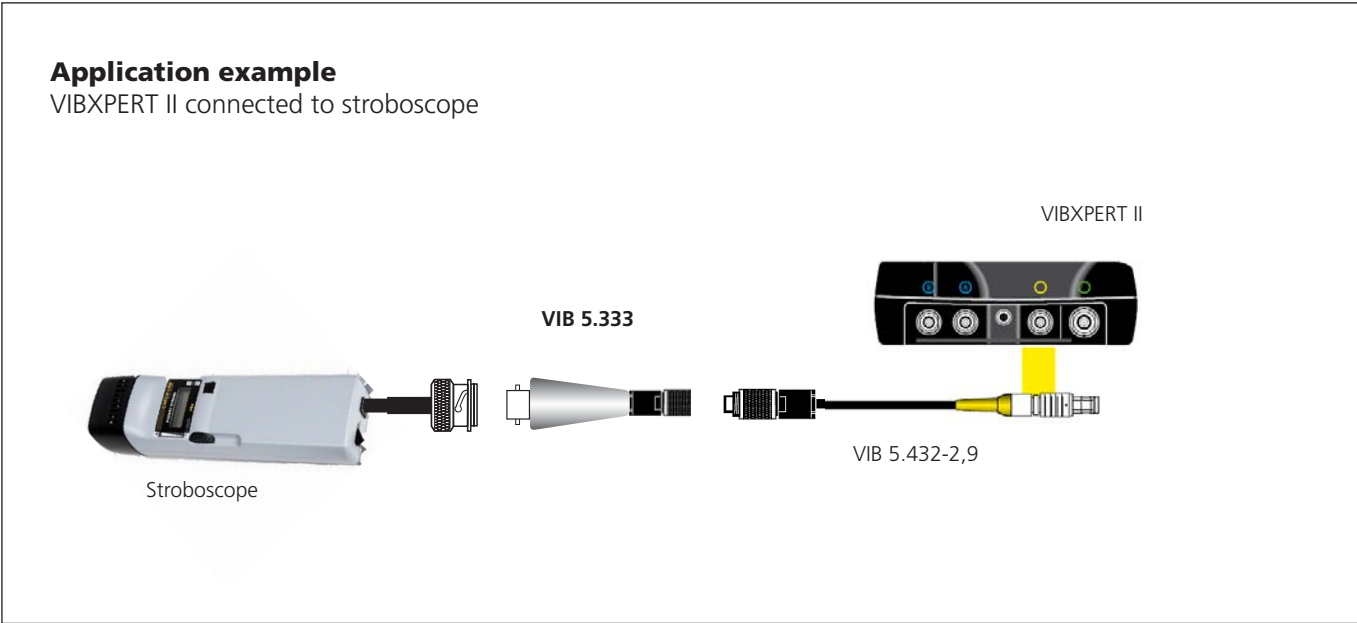
VIB 5.333 : Cable adapter for TTL / strobe output (VIBXPRT)



**Application**  
The VIB 5.333 cable adapter is used to connect a stroboscope to VIBXPRT. The flash rate is controlled by the cursor on the spectrum.

**Connection**  
BNC: Stroboscope trigger input with BNC cable.  
Binder: VIBXPRT digital input with cable VIB 5.432-2,9.

Technical data		VIB 5.333
Mechanical	PARAMETER	
	Housing material	Aluminium
	Length, incl. connectors	62 mm
	Diameter	15 mm
	Weight	20 g



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VIB 5.336 : Cable adapter for triaxial accelerometer (VIBXPERT)

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Application

The cable adapter VIB 5.336 is used to connect the triaxial accelerometer VIB 6.655 to the VIBXPERT II instrument. It is not permissible to connect the triaxial accelerometer to VIBXPERT EX.

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Connectors

MiniSnap: Analog inputs A & B  
MiniMIL: Triaxial sensor VIB 6.655

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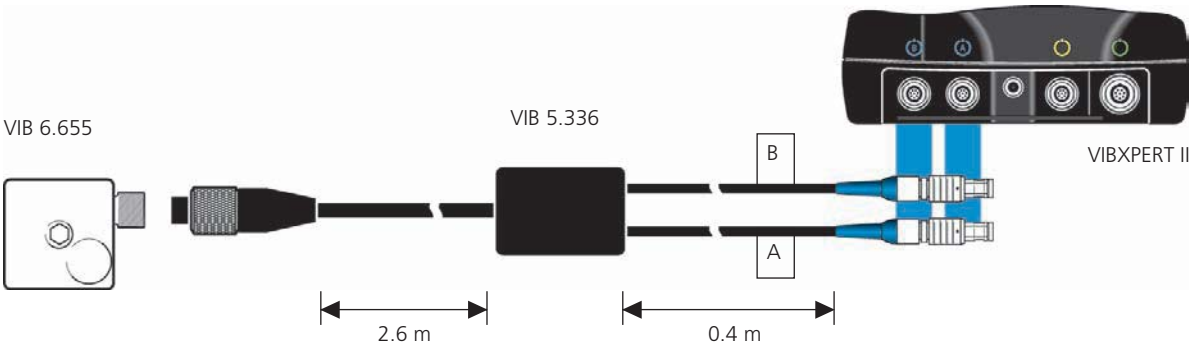
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Technical data

PARAMETER		VIB 5.336
Design	Conductor	4-pin AWG25, spiralized CTC cable from adapter to sensor
	Cable sheath	PU
	Diameter	5.3 mm
	Cable length, instrument side	approx. 0.4 m
	-, sensor side	approx. 2.6 m
Environment	Operation temperature range	-10 °C ... +60 °C
	Storage temperature range	-20 °C ... +80 °C
	Rel. humidity	< 95 %
	Env. protection	IP 65
	Weight	approx. 310 g

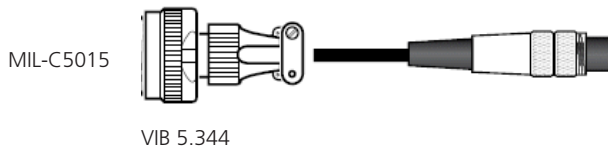
Application example

VIBXPERT II connected to triaxial accelerometer VIB 6.655



## Adapters and cables for voltage-supplied sensors and VIBROTECTOR (VIBXPRT)

VIB 5.341 :	VST 24V adapter for VIBXPRT II
VIB 5.342 :	Analog cable for VST 24V adapter
VIB 5.343 :	Digital cable for VST 24V adapter
VIB 5.344 :	VIBROTECTOR cable for VST 24V adapter



### Application

The VST 24V adapter is used for connecting any sensors with a power supply (-24 VDC) to the VIBXPRT II instrument.

Examples of sensors:

- AS-022: accelerometer
- IN 085: non-contacting displacement sensor from Brüel & Kjaer Vibro / Schenck Vibro.
- VIBROTECTOR: vibration transmitter from PRÜFTECHNIK Condition Monitoring

To measure RPM, sensors with a power supply (-24 VDC) or rpm reference sensors with an external supply can be connected. The minimum required trigger level is 2 volts.

### Safety note

Do not operate VIBXPRT II with the charger unit when the adapter is connected.

### Cleaning notes

- Clean with a moist cloth.
- Use a mild detergent or alcohol.

### Technical data

PARAMETER		VIB 5.341
Electrical	Output voltage $U_{out}$	-24V, unregulated (dep. on VIBXPRT)
	Frequency range, Signal IN - Analog Out	0.1 Hz ... 100 kHz
	Signal IN - Trigger Out	
Mechanical	Case material	stainless steel + heat shrink tubing
	Plug	DIN 41524, BINDER 680, 6 pole, m / f
	Dimensions L x D	120 x 27 mm
	Weight	105 g
	Protection class	IP 40
	Temperature range	-10°C ... +60°C

### Connection

The VST 24V adapter is connected to the sensor and instrument using the cables provided:

Analog cable - VIB 5.342:

Connection cable between adapter and VIBXPRT II for measurement of vibration acceleration, velocity and displacement.

Digital cable - VIB 5.343:

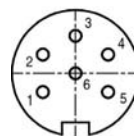
Connection cable between adapter and VIBXPRT II for RPM measurement.

VIBROTECTOR cable - VIB 5.344:

Connection cable between adapter and VIBROTECTOR vibration transmitter. The adapter is connected to VIBXPRT II with the analog cable (VIB 5.342).

Cable length: 2.9 meters

### Plug pin allocation, sensor side



- 1: -24 VDC
- 2: Analog signal (Sensor)
- 3: Trigger signal (5V TTL)
- 4: GND
- 5: Shield
- 6: 5 VDC (Voltage from VIBXPRT)



C

1

**Connection examples**

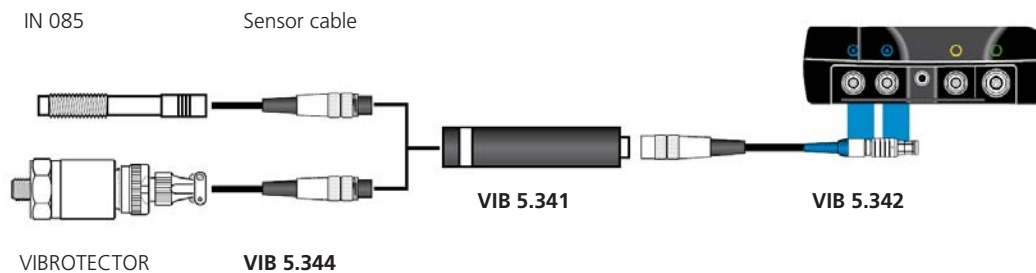
- Displacement measurement with IN 085 sensor
- Vibration measurement with VIBROTECTOR

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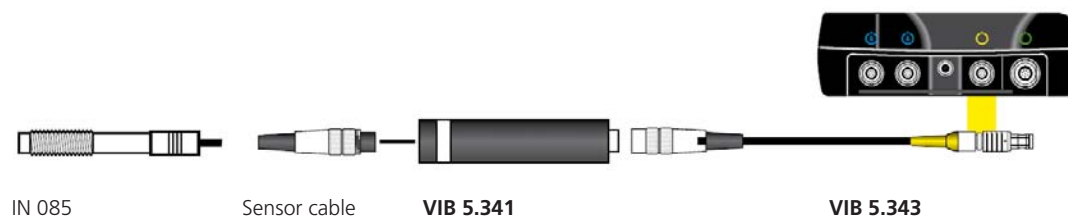
5



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- RPM measurement with IN 085 sensor

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## VIB 5.440 : Connection cable for the VIBREX mV signal output (VIBSCANNER / VIBXPART)

MiniSnap



TNC

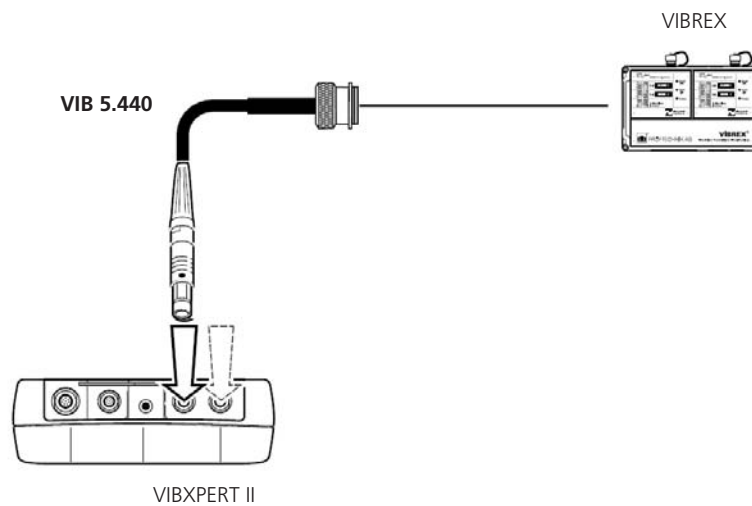
### Application

This cable is used to connect a PRÜFTECHNIK data collector (VIBSCANNER / VIBXPART) to the VIBREX voltage output (mV) for signal measurement.

Cable length: 0.7 ... 1.8 meters

### Connection example

VIBXPART II connected to VIBREX



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**VIB 5.439 : Connection cable for Pt100 temperature probe (VIBSCANNER)**

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MiniSnap



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**Application**

This cable is used to connect a Pt100 temperature probe to VIBSCANNER for temperature measurements.

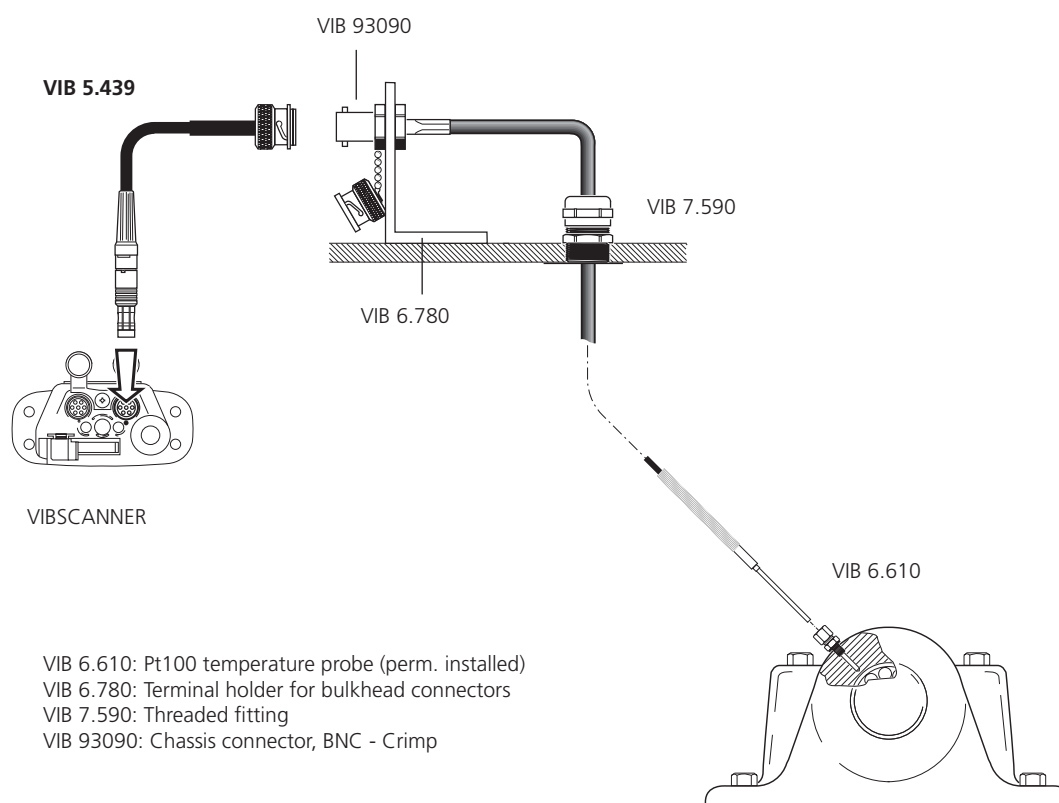
Cable length: 0.7 ... 1.8 meters

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**Connection example**

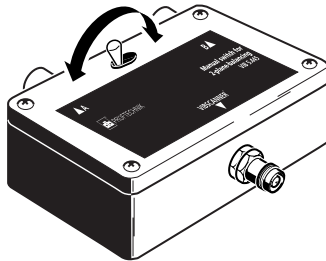
Pt100 probe connected to VIBSCANNER



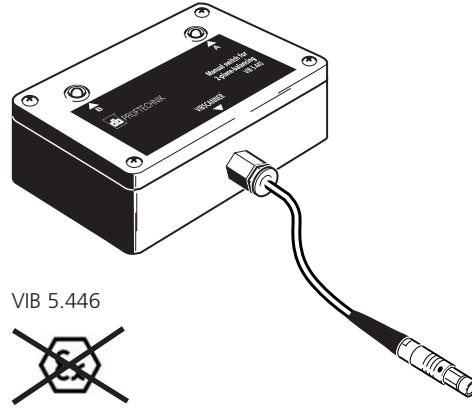
## VIBSCANNER channel switches

VIB 5.445 : Manual channel switch for 2-plane balancing with VIBSCANNER

VIB 5.446 : Automatic channel switch for 2-plane balancing with VIBSCANNER



VIB 5.445



VIB 5.446



### Application and function

The channel switch provides two inputs for accelerometers, which are merged into one output channel. The channel switching is done either via a toggle switch (VIB 5.445) or automatically controlled by the VIBSCANNER application program (VIB 5.446).

This simplifies e.g. the (sequential) balancing in two planes, because the accelerometers do not have to be unplugged when changing the balancing plane.

### Connection

With the manual channel switch VIB 5.445, the accelerometers are connected each with a coaxial cable with TNC connector (VIB 311221-L). The channel switch itself

is plugged in VIBSCANNER with the connection cable for linedrive accelerometers VIB 5.436.

The automatic channel switch VIB 5.446 is connected directly to VIBSCANNER. For each sensor, a connection cable for linedrive accelerometers (VIB 5.436) is required.

### Note

The automatic switch cannot be operated with VIBSCANNER EX!

### Accessories

VIB 5.436 Conn. cable for linedrive accelerometers  
VIB 311221-L Coaxial cable, TNC (2x), L= cable length

### Technical data

PARAMETER		VIB 5.445	VIB 5.445
Mechanical	Case material	Aluminium	
	Connections	1x TNC socket, 2x TNC socket	1x Cable with MiniSnap plug 2x MiniSnap sockets
	Dimensions L x B x H	97 x 63 x 35 mm	
	Weight	approx. 230 g	

### Application example

VIB 5.446 to VIBSCANNER



C

VIB 8.749 : Current Linedrive converter for data collector with voltage input

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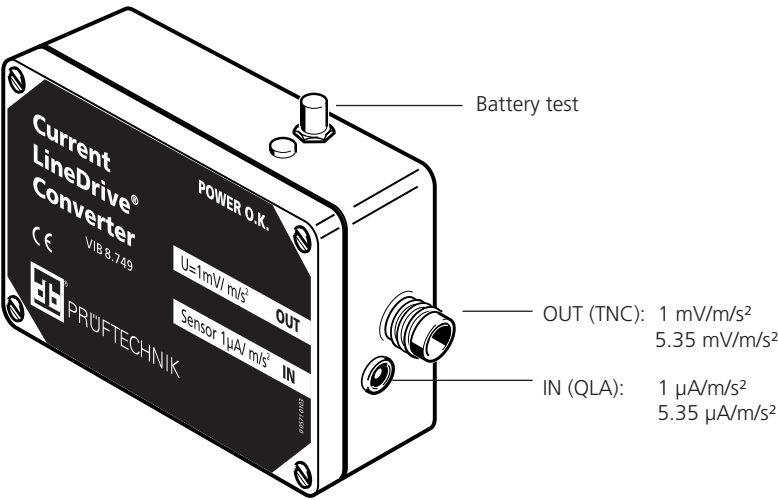
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Description

This adapter converts the current signal of a current line drive accelerometer into a voltage signal. Thus PRÜFTECHNIK accelerometers can be connected to data collectors with voltage input. The adapter is powered by two 9V batteries.

Note

Battery condition can be checked at the press of a button: if the green LED lights up, the batteries are loaded.

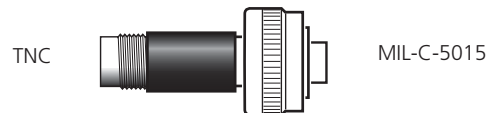
Connection

The accelerometer is connected to the adapter with a VI-BROTIP sensor cable (e.g. VIB 4.704-2). The data collector is plugged into the signal output socket using a suitable TNC cable.

Technical data

PARAMETER		VIB 8.749
Electrical	Power requirement	2x 9 volt batteries (6LR61)
	Sensitivity	1 mV / 1 µA
	Accuracy	±1% of measured value
	Current consumption	6 mA (w/ sensor)
	Operating duration	approx. 75 hours
General	Dimensions, H x W x D	3.5 x 11 x 6 cm
	Env. protection	IP 50
	Temperature range	+10°C ...+40°C
	Weight, incl. batteries	approx. 320 g



**VIB 5.449 : Cable adapter for the VIB 6.195 accelerometer (VIBSCANNER / VIBXPERT)****Application**

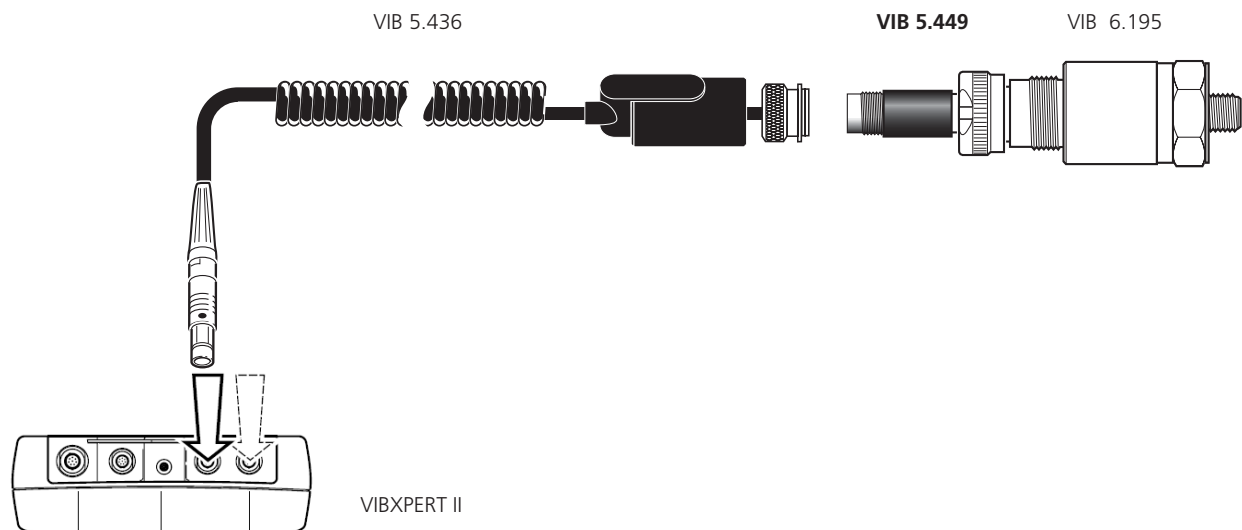
This adapter is used to connect the VIB 6.195 accelerometer to the VIBXPERT II instrument.

Connector: TNC / MIL-C-5015

Length: 6 cm

**Application example**

VIB 6.195 connected to VIBXPERT II



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**QLA adapters for VIBROTIP**

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VIB 4.705 : BNC to QLA adapter

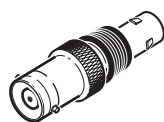
VIB 8.617 : QLA angled plug

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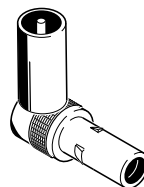
4

BNC socket

**VIB 4.705**

QLA plug

QLA socket



QLA plug

**VIB 8.716**

5

**Application**

These adapters extend the connection options at the QLA input of the VIBROTIP data collector.

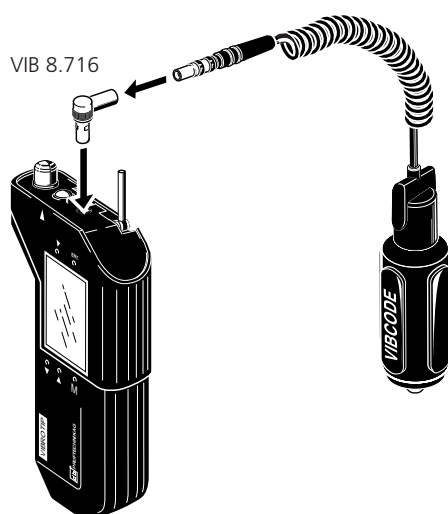
used to connect external vibration sensors to VIBROTIP so that they do not interfere with measurements using the built-in temperature probe or RPM sensor.

6

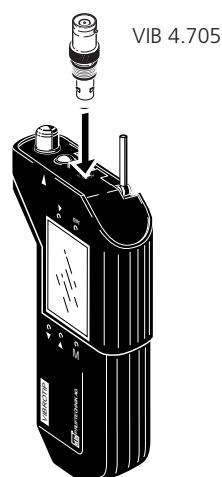
The VIB 4.705 adapter connects transducers with BNC connector to the data collector. The VIB 8.617 adapter is

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Connection example  
VIB 8.617 to VIBROTIP and VIBCODE



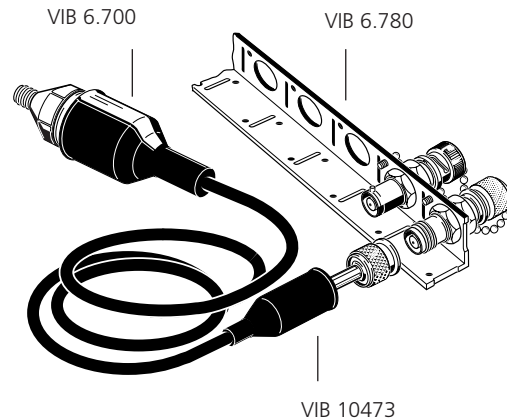
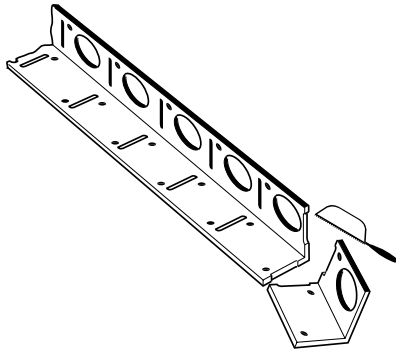
Connection example  
VIB 4.705 to VIBROTIP



## Terminal holder for bulkhead connectors

VIB 6.780 : Terminal holder for bulkhead connectors

VIB 10473 : Dust cap for TNC connector



### Application

Up to 12 sensor cables are joined at the terminal holder to record the measured values conveniently with a data collector.

The cables are mounted on the terminal holder with the aid of bulkhead connectors. The terminal holder can be sawn to the required length.

The TNC dust cap VIB 10473 hermetically seals the connection between the sensor cable and the bulkhead connector.

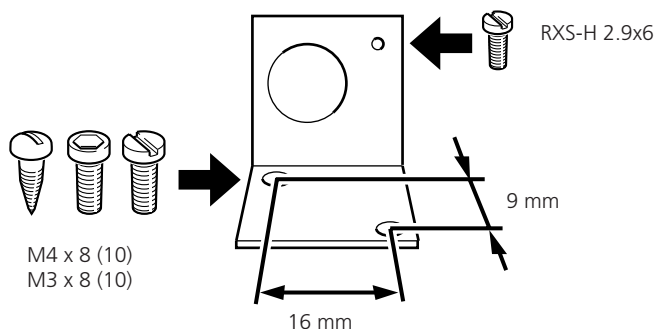
### Note

To seal the connection between the accelerometer and the sensor cable a dust caps with a larger diameter is required (e.g. VIB 6.700).

### Technical data

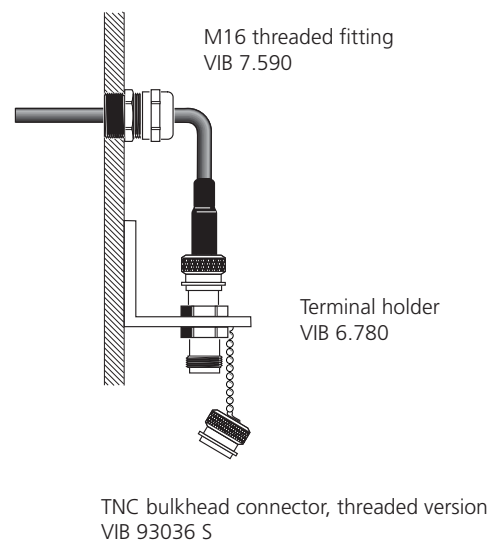
PARAMETER		VIB 6.780	VIB 10473
General	Material	Plastic PA	Silicone (HTV R 701)
	Env. protection	---	IP 65
	Temperature range	0°C ...+85°C	< +200°C
	Chemical resistance	--	aliphatic hydrocarbons (mineral oils)

### Mounting hole



The screws are not included in the scope of delivery

### Mounting example



### Attention!

The bulkhead connector dust cap is attached to a metal cord. To electrically insulate the connector, the dust cap must only come into contact with insulated components.

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VIB 6.785 : SwitchBox - Channel switching unit for CLD-/ ICP-type accelerometers, 12 ch.

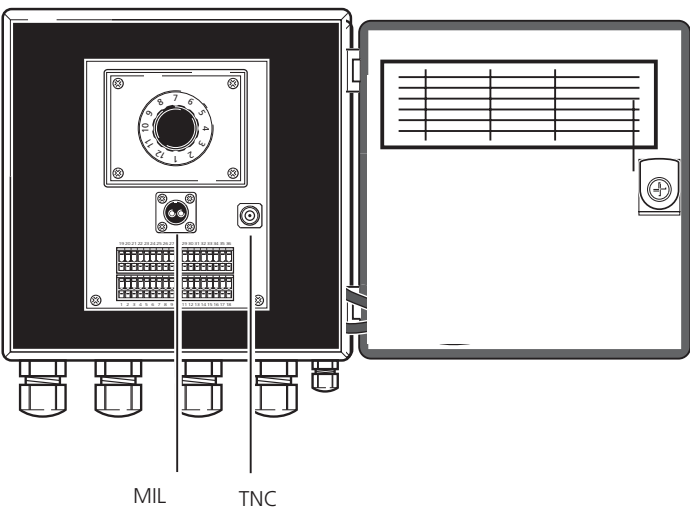
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Application

The SwitchBox channel switching unit VIB 6.785 has been designed to enable inaccessible measurement locations to be monitored and hard wired back to a safe position.

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The channels are individually selected by a rotary switch. The data collector (e.g. VIBSCANNER or VIBXPERT) is connected to one of the two sockets (TNC/MIL) using an appropriate cable.

Installation

The SwitchBox requires no external power supply. Up to 12 accelerometers can be connected to the SwitchBox. All accelerometer cables are glanded into the SwitchBox, terminations are made off into spring terminals. The VIB 81060 screwdriver is included in the scope of delivery for the installation of the accelerometer cables.

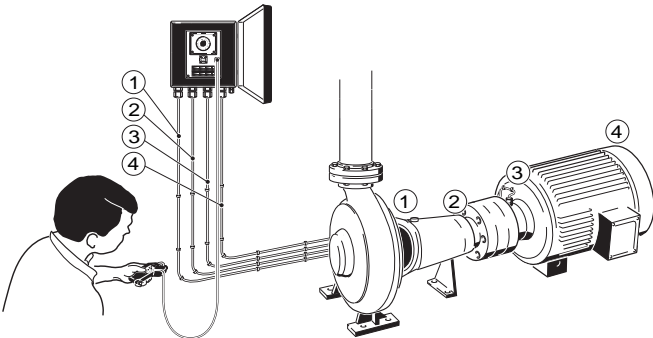
As of version 1.1 the SwitchBox can also be installed in hazardous areas.

Accessories

- VIB 5.436    Spiral cable for Linedrive accelerometer, TNC
- VIB 5.422    Cable for ICP-type accelerometer, MIL

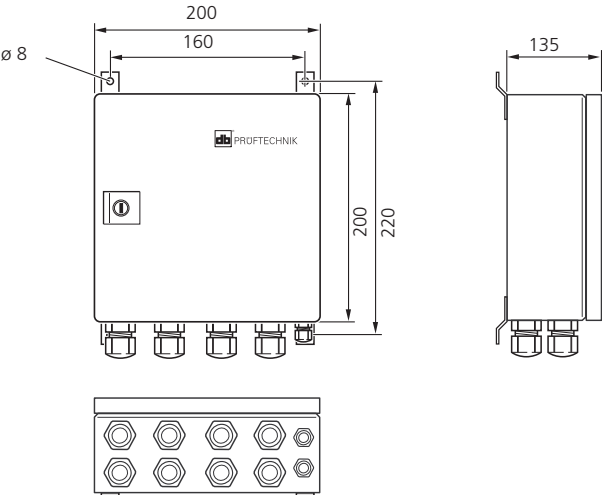
Technical data

PARAMETER		VIB 6.785
General	Input	Up to 12 accelerometers (ICP or LineDrive)
	Output	one via TNC or MIL socket
	Temperature range	- 20°C ... + 60°C
	Env. protection	IP 65



Dimensions

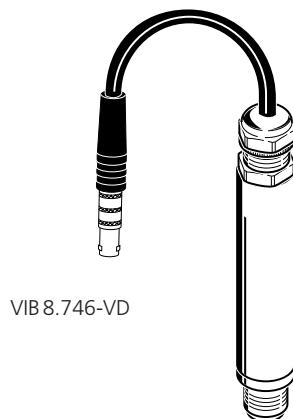
in mm



## SPM adapter for data collectors

VIB 8.746-VD : SPM adapter for VIBROTIP

VIB 8.746-VS : SPM adapter for VIBSCANNER / VIBXPERT



VIB 8.746-VD



### Application

The SPM adapter is used to connect PRÜFTECHNIK data collectors to existing SPM 40000 or TRA 30 measurement sensors by converting the voltage signal to a current signal.

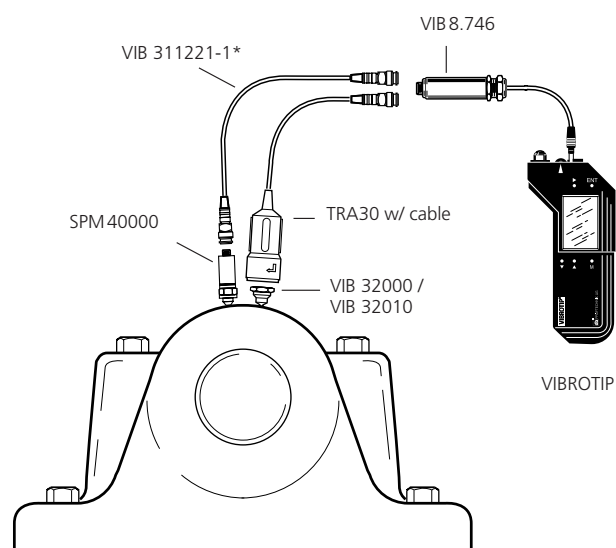
### Note

The SPM adapter may not be used in hazardous areas!

### Technical data

PARAMETER		VIB 8.746-VD	VIB 8.746-VS
General	Input	QLA	MiniSnap
	Output	TNC	
	Length	approx. 240 mm	
	Diameter	16 mm	

### Application example



\* This cable is not included in the scope of delivery

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## VIBXPERT II connection cable and adapter for VIBRONET field multiplexer

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VIB 5.346: Connection cable, VIBXPERT II to VIBRONET field multiplexer

VIB 5.346-MUX : BNC connection adapter for cable VIB 5.436

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MiniSnap



BNC

VIB 5.346



VIB 5.346-MUX

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### Application

These cables are used to connect the VIBXPERT II data collector to a VIBRONET field multiplexer (VIB 8.306) for automatic data acquisition at many measurement locations of the same type or hard-to-access measurement locations.

The measurement locations are combined on one string line and are measured consecutively.

### Notes

Only vibration measurements with Current Linedrive accelerometers are possible.

Up to 6 multiplexers with a maximum of 54 measurement locations are possible on one string line.

It is not permissible to connect these cables to VIBXPERT EX!

Cable lengths

VIB 5.346 1.5 meters

VIB 5.346-MUX 0.16 meters

### Application example

