



OPERATING INSTRUCTIONS

EN

Translation of the original instructions

TPG 201/202

Accessory case

PFEIFFER  **VACUUM**

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1 About this manual

1.1 Validity

This operating manual is for customers of Pfeiffer Vacuum. It describes the functioning of the designated product and provides the most important information for safe use of the unit. The description follows applicable EU guidelines. All information provided in this operating manual refers to the current state of the product's development. The documentation remains valid as long as the customer does not make any changes to the product.

Up-to-date operating instructions can also be downloaded from www.pfeiffer-vacuum.com.

1.2 Conventions

Safety instructions

The safety instructions in Pfeiffer Vacuum operating instructions are the result of risk evaluations and hazard analyses and are oriented on international certification standards as specified by UL, CSA, ANSI Z-535, SEMI S1, ISO 3864 and DIN 4844. In this document, the following hazard levels and information are considered:

DANGER
Imminent danger Indicates an imminent hazardous situation that will result in death or serious injury.
WARNING
Possibly imminent danger Indicates an imminent hazardous situation that can result in death or serious injury.
CAUTION
Possibly imminent danger Indicates an imminent hazardous situation that can result in minor or moderate injury.
NOTICE
Command or note Command to perform an action or information about properties, the disregarding of which may result in damage to the product.

Pictographs



Warning of a displayed source of danger in connection with operation of the unit or equipment



Command to perform an action or task associated with a source of danger, the disregarding of which may result in serious accidents

Instructions in the text

→ Work instruction: here you have to do something.

Abbreviations

TPG: Measurement and control unit

2 Safety

2.1 Safety precautions



Duty to inform

Each person involved in the installation or operation of the unit must read and observe the safety-related parts of these operating instructions.

→ The operator is obligated to make operating personnel aware of dangers originating from the unit or the entire system.



Installation and operation of accessories

Pfeiffer Vacuum pumps can be equipped with a series of adapted accessories. The installation, operation and maintenance of connected devices are described in detail in the operating instructions of the individual components.

→ For information on order numbers of components, see "Accessories".

→ Use original accessory parts only.

- Observe the safety and accident prevention regulations.
- Check regularly that all safety precautions are being complied with.
- The unit has been accredited with protection class IP 30. Take necessary measures when installing into ambient conditions, which afford other protection classes.
- Do not modify or alter the unit yourself.
- Ensure specified mains voltage.
- Note the shipping instructions, when returning the unit.
- Communicate the safety instructions to other users.

2.2 Proper use



NOTICE

EC conformity

The manufacturer's declaration of conformity becomes invalid if the operator modifies the original product or installs additional components.

→ Following installation into a plant and before commissioning, the operator must check the entire system for compliance with the valid EU directives and reassess it accordingly.

- The power supply is used to power the measurement units TPG 201/202.

2.3 Improper use

Improper use will cause all claims for liability and warranties to be forfeited. Improper use is defined as usage for purposes deviating from those mentioned above, especially:

- connection to pumps or units which are not suitable for this purpose according to their operating instructions
- connection to mains supplies, which do not confirm to the regulations IEC 61010 or IEC 60950

3 Product description



Fig. 1: Accessory case

- | | | | |
|---|-------------------------------------|---|---|
| 1 | AC power adapters, country specific | 4 | AC/DC Power supply with Europe adapter |
| 2 | Recess for accommodation of TPG 20x | 5 | 9 V block battery |
| 3 | USB cable | 6 | USB stick with driver and DokuStar software |

4 Installation



Please note the installation order!

- First install USB driver on the PC.
- Then connect the unit (TPG 20x) via USB to the PC.

4.1 Changing the AC power adapter

Depending on the particular country-specific voltage there are 4 different power adapters available. The adapter for Europe is mounted ex works.

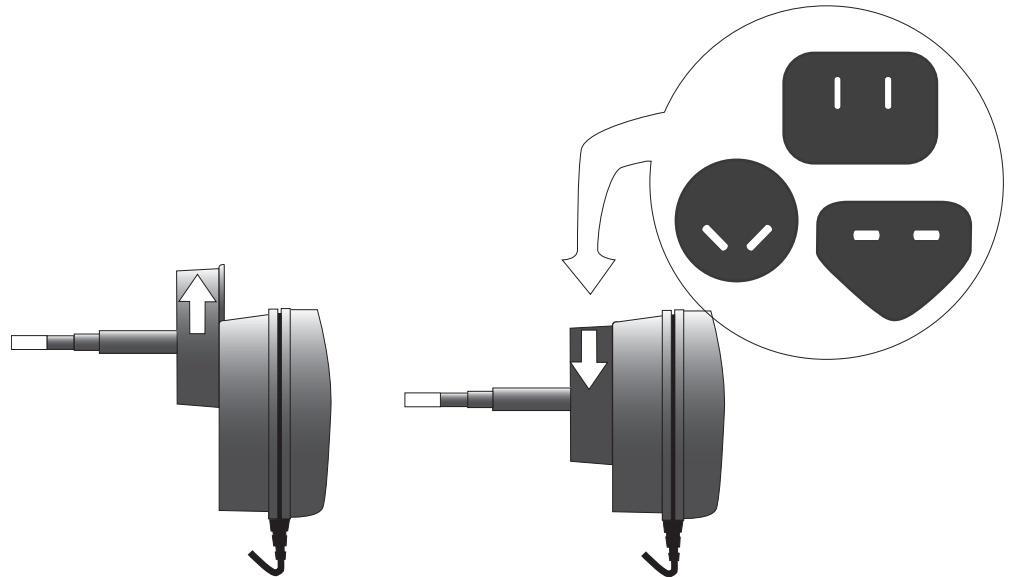


Fig. 2: Changing the AC power adapter

- ➔ Remove the adapter at the power supply by pressing it firmly upwards.
- ➔ Insert the required adapter into the top of the power supply until it audibly clicks.

4.2 System requirements

Prior to installing the software, please make sure, that the computer offers the following minimal system features.

Software (with latest Service Pack)

- Windows XP (requires administrative support)
- Windows Vista (requires administrative support)
- Windows 7 (requires administrative support)
- Windows 8 (requires administrative support)

Hardware

- USB Port (released for storage media)

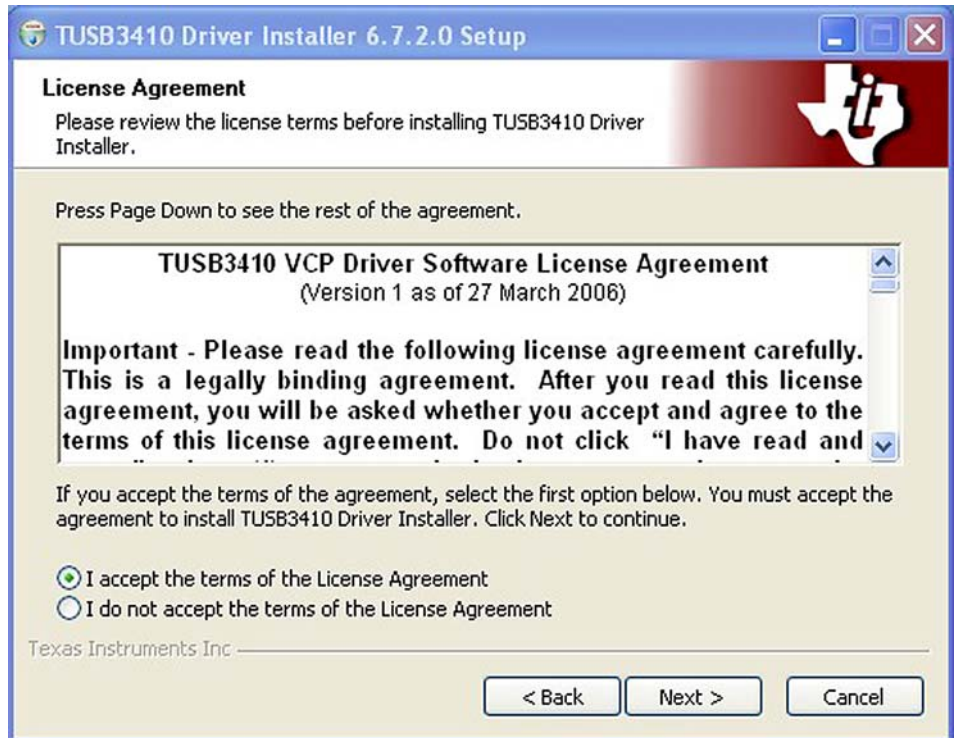
4.3 Installation of the USB driver

- Start Windows.
- If Windows is already running, exit all applications.
- Plug in the USB-Stick at the computer.
- Start the installation of the USB driver at
 - (drive):\TPG 20x USB driver\setup.exe.

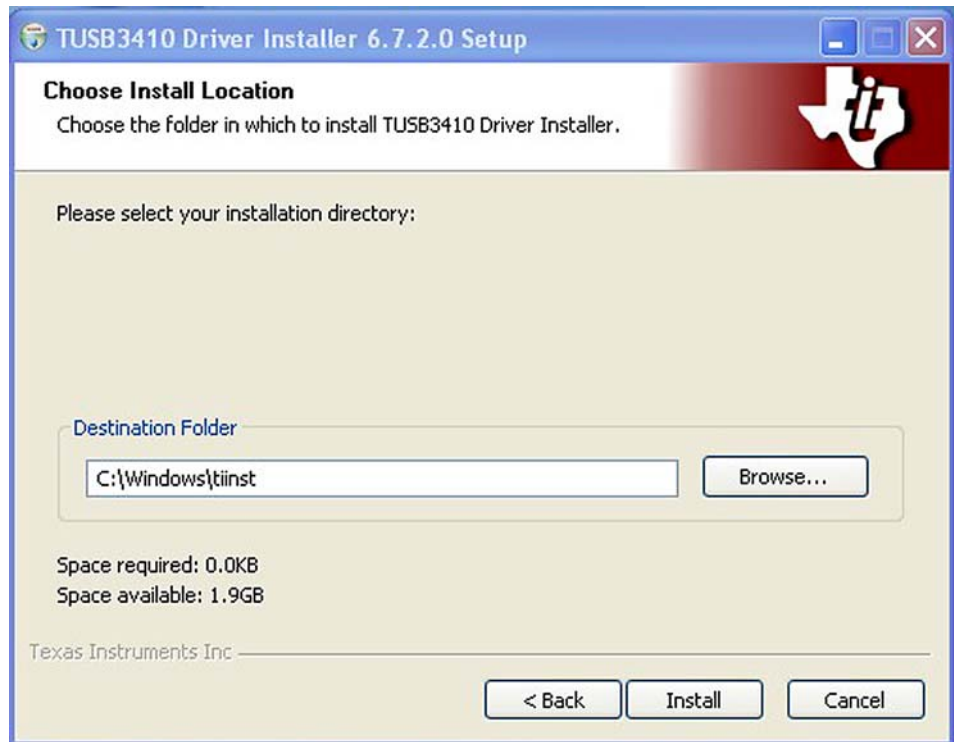
The following display appears:



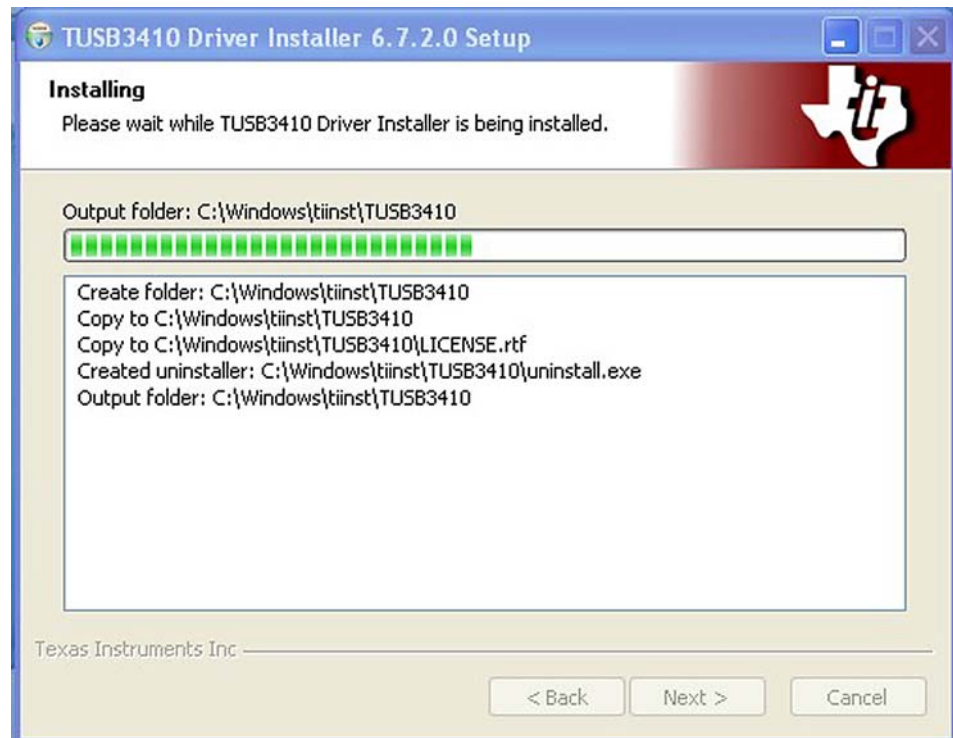
- Wait while the installer initializes.
- Click "Next" to continue the installation.
- Accept the license displayed below to proceed.



→ Click "Next" to continue the installation.



→ Click "Install" to continue the installation.



All the necessary driver files will now be installed.



- Click the **“Finish”** button to exit the installation.
- Restart the computer.
- Connect the TPG 20x with the USB port.

5 Service

Do make use of the Pfeiffer Vacuum service facilities. In the event that repairs are necessary a number of options are available to ensure any system down time is kept to minimum:

- Repair in the nearby Service center
- Send unit and have it replaced with a new unit

Sending of units (Service Request)

For a quick and smooth handling of the service process, Pfeiffer Vacuum recommends the following steps:

- ➔ Download the forms "Service Request" and "Declaration on Contamination".¹⁾
- ➔ Fill out the "Service Request" form and send it by fax or e-mail to your local Pfeiffer Vacuum service contact.
- ➔ Include the confirmation on the "Service Request" from Pfeiffer Vacuum with your shipment.
- ➔ Fill out the "Declaration of Contamination" and include it in the shipment. This document is mandatory to protect our service engineers.
 - Fill out and send one declaration for each device.
- ➔ If possible, send unit in the original packaging.

In the absence or incompleteness of the "Declaration on Contamination" and/or the use of unsuitable transport packaging, Pfeiffer Vacuum reserves the right to make a decontamination and/or to send the product back at the shipper's expense.

Service orders

All service orders are carried out exclusively according to our repair conditions for vacuum units and components. Detailed information, addresses and forms at:

<http://www.pfeiffer-vacuum.com/service/repair-services/container>.

¹⁾ Forms under www.pfeiffer-vacuum.com



Declaration of conformity

We hereby declare that the product cited below satisfies all relevant provisions according to the following **EC directives**:

- **Electromagnetic Compatibility 2014/30/EU**
- **Low Voltage 2014/35/EU**

AC/DC Netzteil/Power supply
TPG 201/202

Harmonised standards and national standards and specifications which have been applied:

EN 55022: 2010

EN 60950-1: 2006/A2:2013

EN 55024: 2010

EN 61000-3-2: 2014

EN 61000-3-3: 2013

Signature:

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