

Wera 05006191001

Wera Kraftform Plus VDE 165i Insulated Screwdriver Instruction Manual

Model: 05006191001

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Wera Kraftform Plus VDE 165i Insulated Screwdriver. This tool is engineered for professional applications, particularly in electrical environments where protection against electrical shock up to 1000 Volts (VDE standard) is critical. Each screwdriver undergoes rigorous testing in a water bath at 10,000 Volts to ensure compliance with safety standards.



Image: Wera Kraftform Plus VDE 165i Insulated Screwdriver. This image displays the screwdriver's ergonomic handle, insulated shaft, and Pozidriv/Slotted PZ 2 tip.

SAFETY INFORMATION

Your Wera VDE 165i screwdriver is designed for safety when working on live parts up to 1000V AC or 1500V DC. Adherence to the following safety guidelines is paramount:

- **Always inspect the insulation** before each use. Do not use the screwdriver if the insulation shows any signs of damage, cracks, nicks, or wear. Damaged insulation compromises safety.
- **Verify circuit de-energization** whenever possible. Even with insulated tools, it is best practice to de-energize circuits before working on them.
- **Wear appropriate Personal Protective Equipment (PPE)**, such as insulated gloves and safety glasses, in conjunction with insulated tools.
- **Do not modify the tool** or attempt to repair damaged insulation. Any modification or repair can compromise the tool's safety rating.

- **Use the correct tool for the job.** Ensure the screwdriver tip matches the fastener type and size to prevent damage to the fastener or injury.

PRODUCT FEATURES

The Wera Kraftform Plus VDE 165i screwdriver incorporates several design elements for enhanced performance and safety:

- **VDE Insulated Blade:** Tested at 10,000 Volts for safe working up to 1,000 Volts AC.
- **Kraftform Multi-Component Handle:** Ergonomically designed with hard and soft zones for comfortable grip, reduced hand fatigue, and efficient torque transfer.
- **Pozidriv/Slotted (PZ/S) Tip:** Specifically designed for PlusMinus screws, commonly found in terminal blocks, control cabinets, switches, relays, and sockets.
- **Handle Marking:** Clearly indicates screw symbol and tip size for easy identification.
- **Anti-Roll Protection:** Prevents the screwdriver from rolling away on work surfaces.
- **Shaft Length:** 4 inches (100mm) for reaching fasteners in various applications.

SETUP

Before using your Wera VDE 165i screwdriver, perform the following steps:

1. **Unpack the Tool:** Carefully remove the screwdriver from its packaging.
2. **Visual Inspection:** Thoroughly inspect the entire screwdriver, especially the red and yellow insulation layers on the shaft and handle. Ensure there are no cuts, cracks, abrasions, or other damage. If any damage is observed, do not use the tool.
3. **Identify Correct Tip:** Confirm that the PZ/S2 tip is the appropriate size and type for the screw you intend to work with. The handle marking assists in quick identification.

OPERATING INSTRUCTIONS

Follow these steps for effective and safe operation:

1. **Grip:** Hold the Kraftform handle firmly. The hard zones allow for quick repositioning, while the soft zones provide maximum grip and comfort for high torque transfer.
2. **Engagement:** Place the screwdriver tip squarely into the screw head. Ensure full engagement to prevent cam-out and damage to the screw head or tip.
3. **Application of Force:** Apply firm, consistent downward pressure while turning the screwdriver. Turn clockwise to tighten and counter-clockwise to loosen. Avoid excessive force that could strip the screw or damage the tool.
4. **Electrical Work:** When working on electrical components, always ensure the tool's insulation is intact and follow all relevant electrical safety procedures. The VDE insulation provides protection against accidental contact with live parts.

MAINTENANCE

Proper maintenance extends the life and ensures the safety of your screwdriver:

- **Cleaning:** Wipe the screwdriver clean with a damp cloth after use. Avoid harsh chemicals or solvents that could degrade the handle material or insulation.
- **Storage:** Store the screwdriver in a dry environment, away from extreme temperatures and direct sunlight.

Protect the tip from impact to maintain its integrity.

- **Regular Inspection:** Periodically inspect the entire tool, especially the insulation, for any signs of wear or damage. Replace the tool if insulation is compromised.

TROUBLESHOOTING

If you encounter issues during use, consider the following:

- **Screw Stripping:** This often occurs if the wrong tip size is used, insufficient downward pressure is applied, or excessive torque is used. Ensure the tip fully engages the screw head and apply firm, steady pressure.
- **Difficulty Turning:** Check for any obstructions around the screw head. Ensure the screw is not seized. Do not attempt to extend the handle with pipes or other tools, as this can damage the screwdriver or screw.
- **Damaged Insulation:** If the insulation is damaged, discontinue use immediately and replace the screwdriver. Do not attempt to repair it.

SPECIFICATIONS

Brand	Wera
Model Number	05006191001
Head Style	Flat, Pozidriv (PZ/S2)
Blade Length	4 inches (100mm)
Material	Tool Steel
Special Feature	Insulated (VDE 1000V)
Item Dimensions	9.65 x 3.54 x 2.4 inches
Item Weight	0.2 Pounds
Country of Origin	Czech Republic

WARRANTY AND SUPPORT

Wera products are manufactured to high-quality standards and are designed for durability and performance. For specific warranty information, product registration, or technical support, please refer to the official Wera website or contact your authorized Wera dealer. Keep your purchase receipt for warranty claims.