Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

KLEIN TOOLS 80036

Klein Tools 80036 Digital Level and Strap Kit User Manual

Model: 80036

1. Introduction

This manual provides instructions for the safe and effective use of the Klein Tools 80036 Digital Level and Strap Kit. This kit includes a digital angle gauge and plumber's straps designed for measuring angles on various surfaces, including non-magnetic pipes and conduits.



Figure 1.1: Klein Tools 80036 Digital Level and Strap Kit. The image shows the orange digital level and the black metal plate with two orange silicone straps.

2. Safety Information

Please read, understand, and follow all safety warnings and instructions before using this product. Keep this manual for future reference.

- Always wear appropriate personal protective equipment (PPE) when working.
- Do not expose the device to extreme temperatures, moisture, or direct sunlight for prolonged periods.
- Do not attempt to modify or repair the device. Refer all servicing to qualified personnel.
- Keep the device clean and free from debris to ensure accurate readings.
- Dispose of batteries according to local regulations.

3. Package Contents

Verify that all items are present:

- 1x Klein Tools Digital Angle Gauge (Model 935DAGL)
- 1x Plumber's Strap Kit (Cat. No. 69346)
- 1x User Manual (this document)

4. Product Features

The Klein Tools Digital Level and Strap Kit offers the following key features:

- **Digital Angle Gauge:** Measures angles from 0-90 degrees or 0-180 degrees.
- **Dual Axis Bullseye Mode:** Accurately determines X- and Y-axis for leveling flat surfaces.
- **Programmable Target Pitches:** Pre-programmed settings for 1/8-inch, 1/4-inch, 3/8-inch, and 1/2-inch per foot.
- **Audible Alarm:** Sounds when the target angle is achieved.
- **Auto-Rotating Display:** Screen rotates for easy viewing in horizontal or vertical orientations.
- **Strong Magnetic Base:** Attaches securely to ferromagnetic surfaces.
- **V-Groove Edges:** Designed for alignment on pipes and conduits.
- **Plumber's Straps:** Securely attach the digital level to non-magnetic pipes (1" to 6" OD) and conduits.

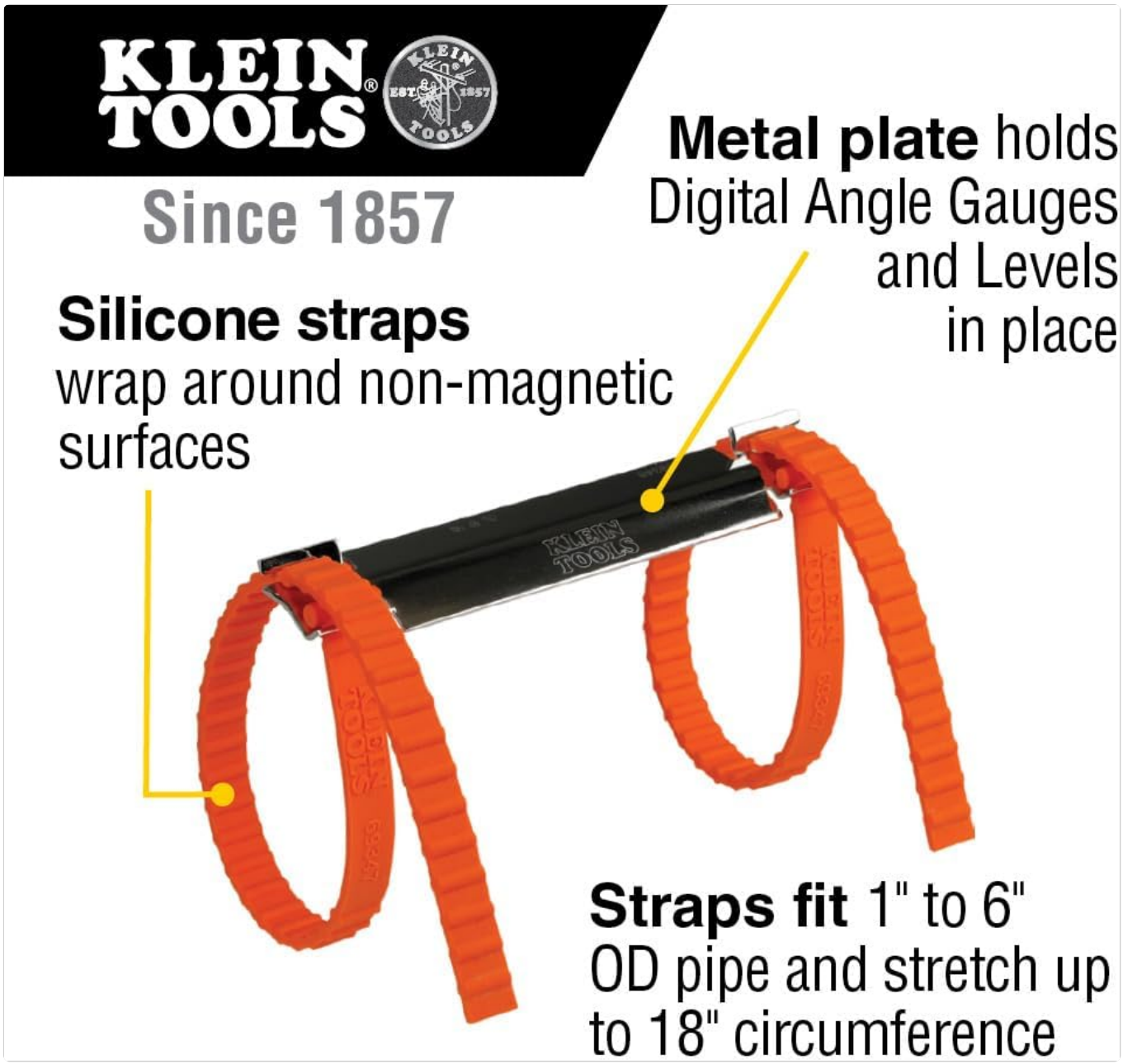

Figure 4.1: Key features of the Klein Tools Digital Angle Gauge, including V-groove edges, magnetic base, and auto-rotating display.



Figure 4.2: Features of the Plumber's Straps, showing silicone straps and metal plate for securing the digital level.

5. Setup

5.1 Battery Installation

The digital angle gauge requires 2 AAA batteries (not included).

1. Locate the battery compartment cover on the back of the device.
2. Use a small Phillips head screwdriver to loosen the screw on the battery cover.
3. Remove the battery cover.
4. Insert 2 AAA batteries, observing the correct polarity (+/-) as indicated inside the compartment.
5. Replace the battery cover and tighten the screw.

5.2 Attaching Plumber's Straps

To use the digital level on non-magnetic surfaces:

1. Place the digital angle gauge onto the metal plate of the plumber's strap kit. The magnetic base of the level will secure it to the plate.
2. Wrap the silicone straps around the non-magnetic pipe or conduit.
3. Secure the straps by inserting the end tabs into the corresponding slots on the metal plate, ensuring a snug fit.
4. Ensure the digital level is stable and properly aligned before taking measurements.



Figure 5.1: Digital level attached to a non-magnetic pipe using the plumber's straps.

6. Operating Instructions

6.1 Power On/Off

- Press the **POWER** button (red circle with line) to turn the device ON.
- Press and hold the **POWER** button for 2 seconds to turn the device OFF.
- The device will automatically shut off after 15 minutes of inactivity to conserve battery life.

6.2 Zeroing the Device

For accurate measurements, it is recommended to zero the device on a known level surface.

1. Place the digital level on a flat, stable surface that is known to be level.
2. Press the **ZERO** button. The display will show 0.0 degrees.
3. The device is now calibrated to this reference surface.

6.3 Measuring Angles

Place the digital level on the surface to be measured. The angle will be displayed on the screen. The display will automatically rotate for easy reading.



Figure 6.1: Measuring an angle on a metal conduit. The display shows 90 degrees.

6.4 Bullseye Orientation (X- and Y-Axis)

For leveling flat surfaces, use the Bullseye mode:

1. Place the digital level flat on the surface.
2. The display will show X and Y axis readings, along with a bullseye graphic indicating the tilt.

3. Adjust the surface until both X and Y readings are 0.0 and the bullseye indicator is centered.



Figure 6.2: Digital level display in Bullseye mode, showing X and Y axis measurements for leveling flat surfaces.

6.5 Programmable Angles and Alarm

The device allows you to set target angles and an audible alarm.

1. Press the **MENU** button to access settings.
2. Navigate using the arrow buttons to "SET ANGLE" or "PER FOOT" pitch settings.
3. Select your desired target angle or pitch (e.g., 1/8", 1/4", 3/8", 1/2" per foot).
4. Enable the "ALARM" function. You can also set an alarm range (+/-).
5. When the measured angle reaches the target angle within the set range, an audible alarm will sound.

Your browser does not support the video tag.

Video 6.1: Demonstration of the Klein Tools Digital Level Angle Finder, showcasing its features and operation, including setting target angles and using the magnetic base.

7. Maintenance

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display.

8. Troubleshooting

Problem	Possible Cause	Solution
Device does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity; replace batteries.
Inaccurate readings.	Device not zeroed; debris on measuring surface; device not stable.	Zero the device on a level surface; clean the device; ensure stable placement.
Display is dim or flickering.	Low battery.	Replace batteries.

9. Specifications

Model Number	80036
Measurement Range	0-90 Degrees; 0-180 Degrees
Accuracy	±0.1° (0° to 90°); ±0.2° (other angles) (Typical)
Power Source	2 x AAA Batteries
Auto Shut-off	15 minutes
Material	Plastic
Item Weight	9.12 ounces (258.55 grams)
Strap Compatibility	1" to 6" OD pipe, up to 18" circumference

10. Warranty and Support

Klein Tools products are manufactured to high standards of quality and durability. For warranty information, please refer to the official warranty document provided with your product or visit the Klein Tools website.
For technical support or service inquiries, please contact Klein Tools customer service through their official website or the contact information provided in your product packaging.

© 2023 Klein Tools. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B09QBDG8KC

More documents and user manuals: **https://manuals.plus/**