

Datasheet: SYNTEK Two-Button Digital Level, Standard Model (400mm)



Product Overview

The SYNTEK/Shengtai Core Two-Button Digital Level is a high-precision measuring instrument designed for accurate angle measurements in various applications. With a measurement range of $4 \times 90^\circ$ and a resolution of 0.1° , this digital level provides reliable and precise readings. It features a sturdy aluminum body, a large digital display, and user-friendly operation, making it ideal for both professional and DIY use.

Key Features

- **High-Precision Vials:** Equipped with high-precision vials for accurate angle detection.
- **Digital Display:** Large, easy-to-read LCD screen showing real-time angle measurements.
- **Two-Button Operation:** Simple and intuitive control with just two buttons.
- **Hanging Hole:** Convenient hanging hole for easy storage and access.
- **Backlight Function:** Long press to turn on/off the backlight for use in low-light conditions.
- **Auto Shut-Off:** Automatically powers off after 5 minutes of inactivity to conserve battery life.

Technical Specifications

- **Brand:** SYNTEK
- **Model:** Two-Button Digital Level, Standard Model (400mm)
- **Resolution:** 0.1°
- **Accuracy:** $\pm 0.2^\circ$
- **Measurement Range:** $4 \times 90^\circ$
- **Operating Temperature:** -10°C to 50°C
- **Material:** Aluminum structure body
- **Power Supply:** $2 \times \text{AAA}$ batteries
- **Dimensions (L \times W \times H):** $460 \times 21 \times 50 \text{ mm}$
- **Weight:** [Weight if available, else omit]

Measurement Modes

- **Absolute Measurement (ABS):**
 - Place the level on any surface; the display shows the angle relative to the absolute horizontal plane.
 - The "ABS" indicator appears on the screen (calibrated to absolute horizontal zero before leaving the factory).
- **Relative Measurement (INC):**

- Press the INC button to set the current display value to "0.00°", with the "INC" indicator appearing on the screen (original measurement reference surface becomes the relative zero position).
- Place the level on the surface to be measured or rotate the reference surface by a certain angle; the display value is the angle of the original measurement reference surface.

Button Functions

- **Short Press:**
 - Power on/Relative value/Zero position
 - Value locking
- **Long Press:**
 - Power off
 - Turn backlight on/off

Package Contents

- Digital level main unit
- User manual
- 2 × AAA batteries

Advantages

- **High Accuracy:** With a resolution of 0.1° and accuracy of $\pm 0.2^\circ$, this digital level ensures precise measurements.
- **User-Friendly Design:** Simple two-button operation and clear digital display make it easy to use.
- **Durable Construction:** Aluminum body provides durability and stability during measurements.
- **Versatile Applications:** Suitable for construction, woodworking, metalworking, and various DIY projects.

Usage Instructions

1. **Power On:** Short press the power button to turn on the device.
2. **Absolute Measurement:** Place the level on the surface to be measured; the display shows the angle relative to absolute horizontal zero.
3. **Relative Measurement:** Press the INC button to set the current display to zero, then place the level on the surface to be measured for relative angle readings.
4. **Backlight:** Long press the backlight button to turn on/off the backlight for better visibility.
5. **Power Off:** Long press the power button to turn off the device.