



RK TECHNOLOGIES

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RK-LVH-150-W9

Strip-type Electronic Level

* 0.01 mm/m Accuracy | ±15 mm/m Range | Bluetooth
Machine Tools • Marble Slabs • CNC Centers • Guide Rails



PRODUCT OVERVIEW

The RK-LVH-150-W9 Strip-type Electronic Level is a precision instrument suitable for adjusting the level of precision machine-tool equipment, marble slabs, cast-iron slabs, CNC machining centers, and the bodies of semiconductor equipment. It can detect the straightness of guide rails and is convenient to operate. Featuring a high-definition dot-matrix LCD display with dual measurement modes, it supports both slope and angle display simultaneously.



Complete Kit — Shockproof Aluminum Instrument Case

DIMENSIONS
150 × 48 × 60 mm

Net Weight: 1.9 kg | Power: < 150 mA

PRODUCT FEATURES

- Accuracy: 0.01 mm/m
- High-definition dot-matrix LCD display — different colors distinguish different function areas
- Relative measurement and absolute measurement modes
- Android-system mobile app for calculating flatness
- Display format can show both slope (mm/m) and angle (°) simultaneously

APPLICATIONS

- ✓ Precision machine-tool equipment levelling
- ✓ Marble slabs and cast-iron slabs
- ✓ CNC machining centers
- ✓ Semiconductor equipment body levelling
- ✓ Guide rail straightness detection
- ✓ Used as a precision inclinometer

USAGE MODES

- ✓ Reference Surface Zeroing
- ✓ Reference Plane Measurement
- ✓ Used as an Inclinometer
- ✓ Relative & Absolute Measurement



TECHNICAL PARAMETERS

At ambient conditions | Model: LVH-150-W9 Strip-type Electronic Level

Parameter	Specification
Model and Name	LVH-150-W9 Strip-type Electronic Level
External Dimensions	150 × 48 × 60 mm
Measurement Accuracy	0.01 mm/m
Measurement Range	±15 mm/m
Display Range	±15 mm/m
Indication Error	$\pm(1 + A \times 2\%) \Delta$ [A = absolute value of nominal value at verification position]
Zero Position Consistency	$\leq \pm 1$ count
Repeatability	$\leq \pm 1$ count
Power Supply	1 × 21700 Lithium Battery / 3.7V
Power Consumption	< 150 mA
Display	High-definition dot-matrix LCD — multi-color function areas
Display Modes	Slope (mm/m) and angle (°) simultaneously
Measurement Modes	Relative measurement and Absolute measurement
Connectivity	Bluetooth — Android mobile app
Net Weight	1.9 kg

MEASUREMENT SOFTWARE

The Android mobile app works alongside the instrument for Flatness and Straightness measurement — ideal for on-site field use without a laptop.

Android Mobile App — Flatness & Straightness

- ◆ Modify workpiece parameters
- ◆ 2 data collection methods: keyboard input and Bluetooth wireless reading
- ◆ 2 evaluation methods: method of connecting two endpoints and the least squares method
- ◆ Calculates coincidence error and uncertainty
- ◆ Displays data results and virtual wireframe diagrams
- ◆ Measured data can be shared with PC-side software in TXT file format

Key Software Capabilities

- ◆ Offline use supported — no internet required
- ◆ Bluetooth wireless connection to the instrument
- ◆ Simple and intuitive interface
- ◆ Real-time data reading from the level
- ◆ Android system compatible
- ◆ Virtual 3D wireframe diagram display

Measurement Types Supported

- ✓ Flatness measurement
- ✓ Straightness measurement
- ✓ Guide rail parallelism

PRODUCT CONFIGURATION — STANDARD PACKING LIST



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No.	Name	Model	Unit	Qty
1	Strip-type Electronic Level	LVH-150-W9	Set	1
2	Lithium Battery	21700	Section	2
3	Lithium Battery Charger		Piece	1
3	Operation Instruction Manual		Set	1
4	Software for Mobile	Android Sys.	Set	1
5	Shockproof Instrument Case		Piece	1

Contact RK Technologies for Pricing, Demo & Calibration Services

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