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› iGaging EZ-View Digital Planer Readout DRO User Manual

iGaging 35-600-P6

iGaging EZ-View Digital Planer Readout DRO User Manual

Brand: iGaging | Model: 35-600-P6

INTRODUCTION

The iGaging EZ-View Digital Planer Readout (DRO) is designed to enhance the precision and repeatability of your portable planer. This device eliminates guesswork, allowing you to accurately set and repeat exact thickness settings for various wood types. It supports measurements in decimal inches, fractions, and millimeters, and offers both absolute and incremental measuring modes. The unit features an X-LARGE and easy-to-read LCD display and boasts an IP54 dust and moisture protective rating.

PRODUCT OVERVIEW



The iGaging EZ-View Digital Planer Readout (DRO) installed on a portable planer, showing the digital display and measuring scale.



iGAGING **EZ VIEW PLANER READOUT**

- **EZ VIEW:** 3-way reading large display 0.0005" / 0.01mm / 32ND
- **EZ CALIBRATION:** simple to setup & preset
- **EZ INSTALLATION:** effortless setup for common brand planers (parts and instructions included)
- **EZ DISPLAY:** easy to ready large LCD Display with backlit
- **EZ TO ADOPT & EZ TO USE**

U.S. Patent Pending



DESCRIPTION

- **IP54** protective rating
- Hardened stainless steel scale
- Measure range: 0-6"
- Resolution: 0.0005" / 0.01mm / 32ND
- Accuracy: +/-0.001"
- Battery: CR2032



Enjoy Accuracy.

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Item# 35-600-P6 Made in China for iGAGING
Product information may change. Please check
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A close-up view of the EZ-View DRO's large LCD display, showing measurement in inches and control buttons for SET, CAL/0, and MODE.



DeWALT 734



DeWALT 735




The complete kit includes the digital readout unit, measuring scale, mounting brackets, various screws, nuts, washers, a drill bit, and an M4 hex key, separated for Dewalt 734 and Dewalt 735 compatibility.

SETUP & INSTALLATION

The EZ-View Digital Planer Readout kit includes all necessary brackets, parts, and tooling for easy mounting on many portable planer models, including Dewalt 734 and 735.

Installation for Dewalt 734





PRODUCT INSTRUCTION


#35-600-P6


EZ VIEW PLANER READOUT


For DeWalt 734




Beam Top Screw (M5, 1 piece) 

Beam Top Spacer (U shape) (1 piece) 

Display Mounting Bracket (Z shape) (1 piece) 

Bracket Mounting Screws & Washers (M4, 4 SETS with 2 Extra SETS) 


Display Back Mounting Screws & Washers (M3, 4 SETS with 2 Extra SETS) 

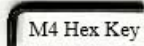
LCD DIGITAL DISPLAY


FUNCTIONAL KEYS

BATTERY HOLDER
Note: CR2032 (1 piece)
Battery "+" facing up/out when replacing battery

Auxiliary Hole
Note: Assembly hole for other machine/s like DeWalt 735, or for grounding use.

M5 Drill Head included 

M4 Hex Key included 



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Assembly Manual

1. Install the Display Mounting Brackets onto the back of the display using 2 sets of the Display Back Mounting Screws & Washers sets.
2. Replace the scale reading indicator from the DeWalt734 with the Display Mounting Bracket loosely using two set of the Bracket Mounting Screws and Washers. Do not tighten the screws at this stage.
3. Align the Readout Beam from top to bottom and **make sure** it is vertically straight with a perfect fit. Use a marker to mark the position of the Beam Top Hole. And, use the Drill Head provided to drill a hole.
4. Assemble the Beam to the machine frame using the Beam Top Spacer and Screw.
5. Only after making sure everything is fit, tightening all the screws. Test the fitting and movement by move the planer up and down. Observe and stop the machine's movement if the fitting is off. Adjusting the position of the Display Mounting Bracket by using the Display Back Mounting Screws if needed.

Readout Functions


Power...SET: Short press (1 second) the key to turn the unit on or off.
Long press (3 seconds) the key to preset a preferred number value. "CAL" will blink on the display. Long press the key again, the first number digit will blink. Short press the same key to change the number value. Long press the key to move to the next digit. Repeat the steps until the last digit is set. Long press the key again, "CAL" will blink. Short press the key to save and exit the mode. "CAL" will stop blinking. Preset value can only be set in inch decimal and metric decimal modes.

Calibration of the DRO requires a freshly planed board with the thickness dimension entered on the DRO. The actual measurement is irrelevant but must be from the board measurement. (1) Run some wood through the planer so that the top & bottom are flat and uniform. At this point, DO NOT move the height of the planer. (2) Measure that board's thickness with a digital caliper. (3) Short press the green power button to turn the DRO on. (4) Use the blue unit button to switch the display to decimal inch (0.000). (5) Long press the green button until 1st digit on the left is blinking (it takes several seconds). (6) Short press the green button repeatedly to increment the first digit until it reads the caliper measurement. Skip and go to the next step if zero. (7) Long press the green button until the next digit is blinking. (8)-(9) Repeat steps #6 & #7 until all numbers are the same as what's on your caliper.

CAL/0: Switch the reading between the calibrated measuring and incremental / temporary zero reading. Short press the key, display will show "INC" to enter an incremental zero setting. To go back to the calibrated measurement reading, short press the key again to exit. Display will now show "CAL".

MODE: Short press the key to switch among inch decimal, metric decimal, and inch fractional reading.

Trouble Shooting: In case of fate display or inaccurate reading, it is recommend to replace the battery (CR2032) for a re-start.



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WARNING: Conserve and Reproductive Harm - www.p65.ca.nrgs.ca.gov State of California

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Detailed instructions and diagrams for installing the EZ-View DRO on a Dewalt 734 planer.

1. Install the Display Mounting Brackets onto the back of the display using 2 sets of the Display Back Mounting Screws & Washers sets.
2. Replace the scale reading indicator from the Dewalt 734 with the Display Mounting Bracket. Use only two sets of the Bracket Mounting Screws and Washers. Do not tighten the screws at this stage.
3. Align the Readout Beam from top to bottom, ensuring it is vertically straight and fits perfectly. Use a meter to mark the position of the Beam Top Hole, then use the provided drill bit to drill a hole.
4. Assemble the Beam to the machine frame using the Beam Top Spacer and Screw.
5. Once everything is fitted correctly, tighten all the screws. Test the fitting and movement by moving the planer up and down. Observe and stop the machine's movement if the fitting is off. Adjust the position of the Display Mounting Bracket using the Display Back Mounting Screws if needed.

Installation for Dewalt 735

EZ VIEW PLANER READOUT For DeWalt 735

** Based on the installation guide for DeWalt 734 (see the other side), this product can be adopted to fit on DeWalt 735 Planer with the following steps.**



Parts

- #1 M5x20mm screw (QTY: 1)
- #2 U Block Spacer (QTY: 1)
- #3 M5 nut (rear/not showing) (QTY: 1)
- #4 M4x20mm screws (QTY: 2)
- #5 M4x5mm Bushings (QTY: 2)

Assembly Manual

1. Assemble the U Block Spacer using the M5x20mm screw to the Auxiliary Hole at the lower end of the DRO beam. Place the DRO in the front of the Planer ruler. Find an ideal location at the lower end of ruler bracket to drill a hole using the supplied M5 drill. Before drilling, please test the overall fit between the DRO and the planer. Make sure the hole location is suitable to have enough space for the DRO display unit to read to the lowest usable height of the planer.
2. Use supplied M5x20mm screw + U Block + M5 nut to secure the DRO beam to the ruler bracket.
3. Remove the reference guide and the two screws from the planer.
4. Use the supplied two M4x20mm screw + M4x5mm Bushing to mount the Display Mounting Bracket to the machine to finished the installation.

Detailed instructions and diagrams for installing the EZ-View DRO on a Dewalt 735 planer.

Based on the installation guide for Dewalt 734, this product can be adapted to fit on Dewalt 735 Planer with the following steps:

1. Assemble the U Block Spacer using the M5x20mm screw to the Auxiliary hole at the lower end of the DRO display. Place the DRO in the front of the Planer ruler. Find an ideal location in the center and/or ruler bracket to drill a hole using the supplied M5 drill. Before drilling, please test the overall fit between the DRO and the planer. Make sure the hole location is suitable to have enough space for the DRO display unit to drop to the lowest usable height of the planer.

2. Use supplied M5x20mm screw + U Block + M5 nut to secure the DRO beam to the ruler bracket.
3. Remove the reference guide and the two screws from the planer.
4. Use the supplied two M4x20mm screws + M4x5mm Bushings to mount the display mounting bracket to the machine to finish the installation.

OPERATING INSTRUCTIONS

The EZ-View DRO offers intuitive controls for precise measurement.

Power and Preset (SET Button)

- **Turn On/Off:** Long press the **SET** key (3 seconds) to turn the unit on or off.
- **Preset Value:** Long press the **SET** key (3 seconds) to preset a preferred number value. "CAL" will blink on the display. Long press the key again, the first number digit will blink. Short press the same key to change the number value. Long press the key to move to the next digit. Repeat until the last digit is set. Long press the key again, "CAL" will blink. Short press the key to save and exit the mode. "CAL" will stop blinking. Preset value can only be set in inch decimal and metric decimal modes.

Measurement Modes (MODE Button)

- Short press the **MODE** key to switch among inch decimal, metric decimal, and inch fractional reading.

Calibration and Zero Setting (CAL/0 Button)

- Short press the **CAL/0** key to switch between the calibrated measuring and incremental / temporary zero reading.
- Short press the **CAL/0** key again, the display will show "INC" to enter an incremental zero setting.
- To return to the calibrated measurement reading, short press the **CAL/0** key again to exit. The display will now show "CAL".

CALIBRATION

Calibration of the DRO requires a freshly planed board with the thickness dimension entered on the DRO. The actual measurement is relevant but must be from the board measurement. Follow these steps:

1. Run some wood through the planer so that the top & bottom are flat and uniform.
2. At this point, **DO NOT** move the height of the planer.
3. Measure that board's thickness with a digital caliper.
4. Short press the green power button to turn the DRO on.
5. Use the blue **SET** button to switch the display to decimal inch (0.000).
6. Short press the green button until the first digit on the left is blinking (it takes several seconds).
7. Short press the green button repeatedly to increment the first digit until it reads the caliper measurement.
8. Skip and go to the next step if zero.
9. Long press the green button until the next digit is blinking.
10. Repeat steps 6 & 7 until all numbers are the same as what's on your caliper.

TROUBLESHOOTING

- **False Display or Inaccurate Reading:** In case of false display or inaccurate reading, it is recommended to replace the battery (CR2032) for a re-start.
- **Difficulty Setting Zero in Imperial:** If you experience difficulty setting zero in imperial units, try setting the unit in millimeters first using digital calipers, then switch back to imperial. The unit should automatically have the imperial setting.
- **Mounting Issues:** Ensure all brackets and screws are securely fastened and aligned. Test the planer's movement after installation to confirm smooth operation and proper fit. Adjust mounting bracket position if necessary.

SPECIFICATIONS

Brand	iGaging
Model Number	35-600-P6
Material	Aluminum, Alloy Steel, Plastic
Style	Digital Read Out for planer
Item Weight	15 Ounces
Operation Mode	Manual
Power Source	Battery Powered (CR2032)
Reading / Resolution	0.0005" inch, 0.01mm, 32nd fractional
Accuracy	+/- 0.001"
Protection Rating	IP54 (Dust and Moisture Protective)
Display	X-LARGE and Easy to Read LCD Display
Compatibility	Fits most portable planer brands, including Dewalt 734 and 735
Included Components	Gauge, instruction manual, mounting parts, and tooling (drill bit, hex key)

MAINTENANCE

To ensure the longevity and accuracy of your iGaging EZ-View Digital Planer Readout, follow these general maintenance guidelines:

- **Cleaning:** Regularly wipe the display and scale with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the screen or finish.
- **Battery Replacement:** The unit is powered by a CR2032 battery. If the display becomes dim or shows inaccurate readings, replace the battery. Ensure the new battery is inserted with the correct polarity.
- **Storage:** When not in use for extended periods, store the planer with the DRO in a clean, dry environment to protect it from excessive dust and moisture, despite its IP54 rating.
- **Check Connections:** Periodically inspect all mounting screws and brackets to ensure they remain tight and secure. Loose connections can affect accuracy.

WARRANTY AND SUPPORT

iGaging products are designed and shipped from California, USA. For specific warranty information, product support, or to purchase replacement parts, please visit the official iGaging website or contact their customer service directly.

For more information, visit: www.iGAGING.com

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