



Wixey FAQ

Frequently asked questions for WR100

What type of batteries do these readouts use?

The WR100 Fraction Calipers uses a CR2032 watch battery.

How Long does the battery last if I turn off the readout?

How long does the battery last?

The battery life should be 6 months with the unit turned on all the time. It has an auto shut off feature that turns the unit off after about 30 minutes. When turned off, the battery is using no power and should last for at least 1 or more years.

How does it read?

All of our readouts use what's called capacitive measuring technology. This is the exact same system that is used in almost all digital calipers that have been on the market for at least 20 years. There is a circuit board on the scale part of the device that has a repeating pattern etched on it. The readout portion has another circuit board with a similar pattern and the rest of the electronics. As the 2 patterns pass over each other there is an electronic signal generated that is converted to distance. The only moving part is the circuit board of the readout passing over the circuit board on the scale. There is no electrical connection between the 2 circuits boards and they do not even touch each other. There are no other mechanical moving parts. This makes the device very reliable and resistant to problems caused by dust.

Why aren't the fractions displayed all the time?

The fractions work in a unique but highly accurate manner. The fractions will only display when the decimal reading is within + or - .002" of the fractions decimal equivalent. For example, if the display is reading .740" it will not display the 3/4" (.750" equivalent) until after the readout passes .745". Internally the readout is actually measuring in .001" increments so that the 3/4" does not turn on until .748" and turns off again at .752" This gives your fraction readings a very high level of accuracy.

Frequently asked questions for WR200

How long does the battery last?

The battery life should be over 6 months. with the unit turned on or off. Because the readout always maintains the calibration even when it is turned off, it is actually reading all the time. Turning it off only turns off the display which reduces the power consumption by 50%. There is an auto shut off feature incase you forget to turn it off.

What type of batteries do these readouts use?

The WR200 Digital Height Gauge uses a CR2032 watch battery.

How does it read?

All of our readouts use what's called capacitive measuring technology. This is the exact same system that is used in almost all digital calipers that have been on the market for at least 20 years. There is a circuit board on a rotating counterweight that has a repeating pattern etched on it. There is a second fixed circuit board with a similar pattern and the rest of the electronics. As the 2 patterns pass over each other there is an electronic signal generated that is converted to rotation angle. The only moving part is the circuit board with counterweight passing over the fixed circuit board. There is no electrical connection between the 2 circuits boards and they do not even touch each other. There are no other mechanical moving parts.

Frequently asked questions for WR25

How long does the battery last?

The battery life should be 6-12 months under normal use. There is an auto shut off feature that completely shuts down the device after 6 hours to conserve the battery.

What type of batteries do these readouts use?

The WR25 Mini Digital Height Gauge uses a CR2032 watch battery.

How does it read?

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Why aren't the fractions displayed all the time?

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Frequently asked questions for WR300

How long does the battery last?

The battery life should be over 6 months. with the unit turned on or off. Because the readout always maintains the calibration even when it is turned off, it is actually reading all the time. Turning it off only turns off the display which reduces the power consumption by 50%. There is an auto shut off feature incase you forget to turn it off.

What type of batteries do these readouts use?

The WR300 Digital Angle Gauge uses a 2032 watch battery.

How does it read?

All of our readouts use what's called capacitive measuring technology. This is the exact same system that is used in almost all digital calipers that have been on the market for at least 20 years. There is a circuit board on a rotating counterweight that has a repeating pattern etched on it. There is a second fixed circuit board with a similar pattern and the rest of the electronics. As the 2 patterns pass over each other there is an electronic signal generated that is converted to rotation angle. The only moving part is the circuit board with counterweight passing over the fixed circuit board. There is no electrical connection between the 2 circuits boards and they do not even touch each other. There are no other mechanical moving parts.

Frequently asked questions for WR365

How long does the battery last?

The battery life should be up to 2 years with the unit turned on or off. Because the readout always maintains the calibration even when it is turned off, it is actually reading all the time. Turning it off only turns off the display which reduces the power consumption by 50%. There is an auto shut off feature incase you forget to turn it off.

What type of batteries do these readouts use?

The WR365 Digital Angle Gauge with level uses 2 standard AAA batteries (not included).

How does it read?

All of our readouts use what's called capacitive measuring technology. This is the exact same system that is used in almost all digital calipers that have been on the market for at least 20 years. There is a circuit board on a rotating counterweight that has a repeating pattern etched on it. There is a second fixed circuit board with a similar pattern and the rest of the electronics. As the 2 patterns pass over each other there is an electronic signal generated that is converted to rotation angle. The only moving part is the circuit board with counterweight passing over the fixed circuit board. There is no electrical connection between the 2 circuits boards and they do not even touch each other. There are no other mechanical moving parts.

Frequently asked questions for WR400 series

How long does the battery last?

The battery life should be over 6 months. with the unit turned on or off. Because the readout always maintains the calibration even when it is turned off, it is actually reading all the time. Turning it off only turns off the display which reduces the power consumption by 50%. There is an auto shut off feature incase you forget to turn it off.

What type of batteries do these readouts use?

The WR400 and WR410 Digital Protractors use a CR2032 watch battery.

How does it read?

All of our readouts use what's called capacitive measuring technology. This is the exact same system that is used in almost all digital calipers that have been on the market for at least 20 years. There is a circuit board on one of the legs of the protractor that has a repeating pattern etched on it. There is a second circuit board with a similar pattern attached to the other leg. As the 2 patterns pass over each other there is an electronic signal generated that is converted to a rotation angle.





Wixey FAQ

Frequently asked questions for WR510

Does the WR510 Planer Readout mount the same way as the WR500?

Yes, both models mount the same way to the same machines. The WR510 has some improved hardware and instructions to make it easier to mount on many planers.

Can I Upgrade my WR500 Planer Readout to use the same angled display as the WR510?

Yes, an upgrade kit is available but you will need to be sure to use the Type 1 replacement.

Many of the photos in our "Will It Fit My?" section show a readout that looks different than the WR510. Why is that?

The WR510 Type 1 and Type 2 replace our older Model WR500. Many of the photos still show the WR500 or the WR510 Type 2, however all versions of the WR510 will mount and function the same way.

What type of batteries do these readouts use?

The WR510 Type 1 Planer Readout uses a CR2032 calculator battery.
The WR510 Type 2 uses 2 AAA batteries.

How Long does the battery last if I turn off the readout?

How long does the battery last?

The battery life in the Type 1 should be 6 months or more and the Type 2 will last up to 2 years. The readouts always use some power because they maintain the calibration even when they are turned off, They are actually reading all the time. Turning them off only turns off the display so the unit is still using about half the power.

Can I put a AAA battery Type 2 readout on a WR500 or WR510 Type 1 system?

No. The Type 2 can only be used on systems that originally had a Type 2 readout. If you upgrade a WR500 system or replace a WR510 Type 1 readout you must use a WR510 Type 1 replacement.

Will the WR510 Planer Digital Readout fit on a planer with 8" - 12" of travel?

No. The WR510 has a travel of just a little more than 6".

Will the WR510 fit on drum or wide belt sanders where the table moves up and down instead of the sanding head?

Will the WR510 Planer Readout fit on larger planers where the table moves up and down instead of the cutterhead?

Yes, but this is not as straight forward of a mounting as with the more common portable planers where the cutterhead moves up and down, however, it can be done. There are 2 approaches:

If you attach a piece of angle iron to the side of your table and attach the frame of the Planer Readout to that angle, then the whole scale unit moves up and down with the table. Now all you have to do is fix the readout to the upper part of the machine and the readout remains stationary. You would need to cut and drill the angle iron and make a mounting bracket from some sheet metal. (See Jet Planer Molder pictures in the "Will It Fit My?")

You can attach the frame of the Planer Readout to the side of your machine that is stationary and the readout to the moving table. You may have to fabricate your own mounting brackets. The only problem with this mounting arrangement is that the readout will be reading negative (although accurate numbers) To calibrate the readout easily you will need to leave access to the bottom of the scale and the flat contact surface of the frame. (see Delta sander photos in "Will It Fit My?")

Will the WR510 Planer Readout fit on larger planers where the cutterhead moves up and down similar to portable planers?

Yes, but this is not as straight forward of a mounting as with the more common portable planers. You will have to get creative and fabricate a few mounting brackets. (see Delta and General photos in the "Will It Fit My?")

Will the WR510 Planer Readout fit on Performax Sanders?

Yes, but this is not as straight forward of a mounting as with the more common portable planers. You will have to get creative and fabricate a few mounting brackets. (see Performax photos in the "Will It Fit My?")

Can I mount this on the left side of the machine instead of the right as it shows in the instructions?

Yes, but you may need to make your own mounting brackets or modify the ones that come with the kit when mounting it on portable planers. When mounting on other machines it may actually mount easier on the left than the right, but again you will need to fabricate some mounting brackets.

How does it read?

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Wixey FAQ

Frequently asked questions for WR510 (continue)

Why aren't the fractions displayed all the time?

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I calibrated my WR510 Planer Readout but when I check the dimensions of the board with calipers the readings don't match. What can I do?

There are a few things to watch when calibrating that can get you closer. First make sure that when you place the piece of wood under the scale that it is sitting level and flat on the flat contact surface of the frame. If the wood is tilted one way or the other it won't be measuring accurately. Also make sure there are no wood chips in the way.

Second, planers can tend to "snipe" the end of the board. This means the first several inches on either end of the board may be thinner than the rest of the board anywhere from .001" to .010". When you place the wood under the scale, make sure you use a portion of the board away from either end. This can be the most common cause of readings not matching. When you double check the calibration using calipers you have to measure the board exactly in the same spot that you place under the scale.

Frequently asked questions for WR550

How long does the battery last?

The battery life should be up to 2 years under normal use. There is an auto shut off feature that turns off the display but still uses some power to hold calibration.

What type of batteries do these readouts use?

The WR550 Remote Planer Readout uses 2 AAA batteries.

How does it read?

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Wixey FAQ

Frequently asked questions for WR700

What type of batteries do these readouts use?

The WR700 Fence Readout uses a 2032 watch battery.

How Long does the battery last if I turn off the readout?

How long does the battery last?

The battery life should be 6 months with the unit turned on or off. Because the readout always maintains the calibration even when it is turned off, it is actually reading all the time. Turning it off only turns off the display which takes almost no power to run. Removing the battery is the only way to conserve it's life but then you have to recalibrate every time.

How does it read?

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How long can the WR700 Fence Readout measure?

The WR700 comes with 63" of track and the readout itself is about 3" long, so it can measure up to 60" long.

Will the WR700 Fence Readout fit on a fence with a round rail?

Yes, The WR700 will fit on almost any type of fence as long as the bottom of the rail has room to mount our track. Round rail fences may require some extra spacers or brackets to be made, or possible just some extra holes drilled in the track to line up with existing holes in the rail mounting.

Can the WR700 Fence Readout measure on the left side of the blade?

Yes, The WR700 comes with 63" of track which gives you 60" total inches of measuring. This can be positioned to measure 36" to the right and 24" to the left; 52" to the right and 8" to the left; or any other combination that adds up to 60".

The total length of my fence is only 48" but the WR700 has 63" of track. Can I still use this on my fence?

Yes, simply cut the track to the proper length with a hack saw.

Do you have a cut off stop system for a chop saw?

Not yet, but we are working on it. Our system will be able to measure 8 feet to the left and 8 feet to the right.

Do you have a height gauge to measure table saw blade height?

No. Most likely this type of system will need to be built into when it is manufactured. It will be difficult to make an add on kit.

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