



BrewVision® Thermometer

Congratulations on your purchase, and thank you for selecting the BrewVision® interactive thermometer from Blichmann Engineering! We are confident that it will provide you years of service and many gallons of outstanding beer. This manual will familiarize you with the operation, installation, and maintenance for this product.

PLEASE READ AND THOROUGHLY UNDERSTAND THIS MANUAL PRIOR TO USE FOR IMPORTANT SAFETY INFORMATION!

About This Manual:





Warning: Sections labeled "Warning" can lead to serious injury or death if not followed. Please thoroughly read these sections and understand them completely before use. If you do not understand them or have any questions, contact your retailer or Blichmann Engineering (www.BlichmannEngineering.com) before use.

Caution: Sections labeled "Caution" can lead to equipment damage or unsatisfactory performance of the equipment. Please read these sections thoroughly. If you have any questions, contact your retailer or Blichmann Engineering (www.BlichmannEngineering.com) before use.

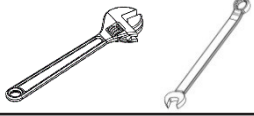

Important: Sections labeled "Important" should specifically be followed to ensure satisfactory results with the product.

Assembly: A list of components included with your BrewVision® thermometer follows as well as the basic tools required for assembly. Please carefully review the lists below to ensure you received all of the correct parts and have the required tools prior to assembly.

Parts List:

Item		Quantity
Transmitter		1
Sensor & sanitary nut assembly: (sensor, stainless nut, washer, seal)		1
Protective cap		1
AAA Batteries		2

Required Tools:

One 7/8" and one 5/8" wrench, or two adjustable wrenches	
Drill and step bit (if 1/2" diameter hole not present in kettle)	

Caution: Brewing beer is inherently hazardous. Keep children and pets away from the brewing area at all times. Always wear protective clothing to prevent scalds.

Warning: This product MUST be shielded from the intense heat of burners or overheating of the electronics will occur and the product will be permanently and irreparably damaged! The hot kettle wall itself will not cause the product to overheat. Propane and gas burners WILL overheat the product if shielding is not used. If you cannot comfortably place your hand under the transmitter for 5 minutes at full burner power it is too hot and additional shielding must be used! Electric immersion heated kettles do not require additional heat shielding.

See blichmannengineering.com/products/brewvision/thermometer for additional information on shielding this product.

Blichmann Engineering sells optional heat shields for stovetop burners and the Blichmann Engineering™ TopTier™ burner. The ANVIL® burner features an integral heat shield and does not require additional shielding. In addition an optional do-it-yourself kit to shield other manufacturer's burners is available through your retailer.

Blichmann Engineering™ has developed a patent pending heat shield technology that provides amazing heat shielding capability. The purchase of this product grants you a license to manufacture a shield for your burner for your personal use only. Manufacturing for other purposes is strictly prohibited.

Damage from overheating is NOT covered under warranty. The device does have an internal thermometer that will warn you of an overheat situation on your device and the power button on the transmitter will turn red. If you receive an alarm IMMEDIATELY remove the device from the kettle. Note that the internal temperature alarm may not protect the outer case or the electronics from damage. It is solely a backup for unintentional overheating of the electronics.

Important: Please see BlichmannEngineering.com/Products/BrewVision/Thermometer for details on how to properly shield your product.

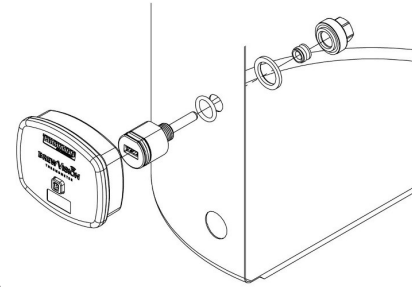
Pairing the Transmitter:

1. Download the free BrewVision® Thermometer app on the Apple Store.
2. To pair the BrewVision® thermometer to your phone or tablet go to BrewVision settings>pair devices and touch the "+" (connect new device). Then select Single Kettle or Multi Kettle setup. If you are an extract brewer you will select single kettle. If you will be monitoring more than one BrewVision® device select multi kettle.

3. Turn on the transmitter by pressing the button on the front for two seconds. The button will flash blue quickly notifying you it is ready to be paired to your phone.
4. Remove the stainless steel sensor from the black plastic transmitter body and press OK on the dialogue box on your phone. Using the tip of a pen press and hold the blue button beneath the USB connector on the back of the transmitter taking care NOT to push the button on the front at the same time. It is best to hold the transmitter in your hand and not face down on a table. In a few moments "Found Sensor" dialogue box will appear – touch YES.
5. If pairing more than one sensor repeat the process and select a name for the sensor. Up to 7 devices can be paired.
6. If the light on the front of the unit is flashing red you have accidentally pressed the button on the front and the blue pairing button at the same time. To clear this, remove the batteries and reinstall. Then repeat the pairing process taking care not to press both buttons simultaneously.

Installing the Sensor:

1. If you do not already have a 1/2" diameter hole in your kettle, use a step drill to create one in your desired location. Please read the warning about properly shielding this product from excessive heat.
2. Install the sensor according to the graphic below.
3. If you already have a 1/2" NPT female coupling in your kettle, or intend to install in a pipe fitting, you will need to purchase the optional 1/2-20 straight thread X 1/2" NPT thread adapter bushing. Blichmann Engineering part number TOP-007-01 is available through your retailer or directly from our parts site. Note that the tip of the sensor, when installed, must protrude into the wort to read accurately.



After Use Cleaning and Storage:

Important: The case of the transmitter, when installed on the sensor, is water resistant and can be sprayed with water. However, do not immerse the product in liquid! For ease of cleaning we have provided a protective cap that you can place over the sensor when the transmitter is removed. This will keep water out of the USB connector on the sensor.

Warning: DO NOT expose the bare sensor or bare transmitter to moisture or product damage will occur. When coupled together, the o-ring will seal the USB connector from moisture.

Clean with a damp cloth and mild soap if needed, taking care not to get moisture on the USB connector.

Extended thermowell installation into a cooler:

1. Drill a 3/8" pilot hole all the way through the cooler from the outside. It is important to drill completely through the cooler so all holes are concentric.
2. Using a 1-1/8" minimum size hole saw, cut through the OUTER wall of the cooler ONLY. DO NOT drill all the way through. This will allow clearance for your hose fittings.
TIP: Use the hole saw in REVERSE (counterclockwise) to prevent it from grabbing the plastic and sawing through too quickly.
3. After drilling, remove the foam. If desired, you can put a layer of silicone sealant on the foam to keep liquids from soaking into the foam insulation.
4. Use a step drill and enlarge the pilot hole on the inside wall to 1/2".
5. Install the BrewVision™ Extended Thermowell as shown here. Tighten with two adjustable wrenches.



Blichmann Engineering Product Warranty

A. Limited Warranty

1. Blichmann Engineering warrants to the original purchaser that this product will be free from manufacturing defects in material and workmanship for a period of one (1) year from the date of purchase by the customer. Proof of purchase is required. Blichmann Engineering's obligation to repair or replace defective materials or workmanship is the sole obligation of Blichmann Engineering under this limited warranty.
2. This product is for home use only. The limited warranty covers only those defects that arise as a result of normal use of the product and does not cover any other problems, including, but not limited to, those that arise as a result of:
 - a. Improper maintenance or modification;
 - b. Damage due to incorrect voltage or improper wiring by customer;
 - c. Operation outside of the product's specifications;
 - d. Carelessness or neglect to operate the product in accordance with instructions provided with the product;
 - e. Damaging the tamper label on the product;
 - f. Damage by over-tightening the fasteners;
 - g. Failure to follow cleaning and / or maintenance procedures; or
 - h. Exceeding published operational temperatures.
3. Blichmann Engineering reserves the right to request delivery of the defective component for inspection before processing the warranty claim. If Blichmann Engineering receives, during the applicable warranty period, notice of a defect in any component that is covered by the warranty, Blichmann Engineering shall either repair or replace the defective component with a new or rebuilt component at Blichmann Engineering's option.
4. Blichmann Engineering must be notified within seven (7) days of the delivery date of any shipping damage. Customer is responsible for shipping damage outside of this time period. Approval for return must be provided by Blichmann Engineering prior to any return. Customer is responsible for keeping all original packaging material for warranty returns. Blichmann Engineering is not responsible for damage from improperly packaged warranty returns, and these repair costs will be the sole responsibility of the customer. Shipping costs for warrantee returns are covered only for the contiguous United States.
5. Blichmann Engineering's limited warranty is valid in any country where the product is distributed.

B. Limitations of Warranty

1. Any implied warranty that is found to arise by way of state or federal law, including any implied warranty of merchantability or any implied warranty of fitness, is limited in duration to the terms of this limited warranty and is limited in scope of coverage to this warranty. Blichmann Engineering disclaims any express or implied warranty, including any implied warranty of fitness for a particular purpose or merchantability, on items excluded from coverage as set forth in this limited warranty.
2. Blichmann Engineering makes no warranty of any nature beyond that contained in this limited warranty. No one has authority to enlarge, amend, or modify this limited warranty, and Blichmann Engineering does not authorize anyone to create any other obligation for it regarding this product.
3. Blichmann Engineering is not responsible for any representation, promise, or warranty made by any independent dealer or other person beyond what is expressly stated in this limited warranty. Any selling or servicing dealer is not Blichmann Engineering's agent, but an independent entity.

C. Limitations of Liability

1. The remedies provided in this warranty are the customer's sole and exclusive remedies.
2. Except for the obligations specifically set forth in this warranty, in no event shall Blichmann Engineering be liable for direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory and whether or not advised of the possibility of such damages.
3. This warranty does not cover, and in no event shall Blichmann Engineering be liable for, travel, lodging, or any other expense incurred due to manufacturing defects in material and workmanship, or any other reason.
4. Any performance of repairs after the warranty coverage period has expired or performance of repairs regarding anything excluded from coverage after this limited warranty shall be considered good-will repairs and they will not alter the terms of this limited warranty, or extend any warranty coverage period.
5. Venue for any legal proceedings relating to or arising out of this warranty shall be in Tippecanoe County, Indiana, United States, which courts will have exclusive jurisdiction.

D. Local Law

1. This warranty gives the customer specific legal rights. The customer may also have other rights that vary from state to state in the United States or other countries.
2. To the extent that this warranty is inconsistent with local law, it shall be deemed modified, only to the extent necessary to be consistent with such local law.