

A Boil Test is done to ensure that the ANKOM²⁰⁰⁰ Fiber Analyzer temperature control is properly calibrated. To run a Boil Test, follow the procedure below.

1. Disconnect cubetainers if connected.
2. Fill a pitcher with approximately 2L of hot water (50 °C or above) and set aside for later.
3. Turn on the instrument. Remove the bag suspender from the vessel.

4. When you see

Select Crude Fib
v <Enter>

on the display, press the ENTER button.

5. When you see

Insert Samples
Close Lid<Enter>

on the display, press the ENTER button.

(Do not insert samples. Do not close lid.)

6. When you see

Hot Water On
<Start>

on the display, press the START button.

7. Record Voltage:

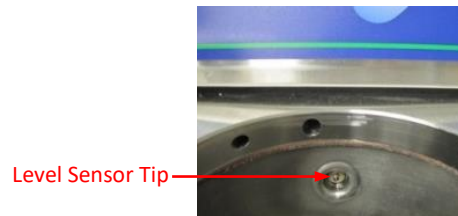
- a. Record the voltage shown on the display before pouring in the water. _____ V
(Should be between 5-10 VDC)
- b. Pour the 2L of hot water into the digestion vessel so that the glass level sensor tip is under water.
- c. Record the voltage after pouring in the water. _____ V
(Should be between 0-3 VDC)

Agitation and heat begin automatically.

8. Do not close the lid. Occasionally stir the water to ensure uniform heating.
The water should begin to boil in 5-15 minutes.

9. When a strong boil is reached, stir the water in the vessel and record:

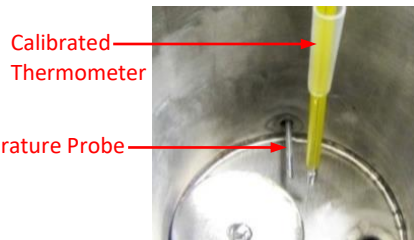
- a. The temperature on the controller. _____ °C
- b. The temperature on a calibrated thermometer. _____ °C
(Place the thermometer near the probe at the bottom of the vessel.)
- c. The temperature shown on the display. _____ °C



Level Sensor Tip



Controller



Calibrated
Thermometer

Temperature Probe

Note: If these three temperatures are not within ½ degree of each other, contact ANKOM Technology for assistance.