REOTEMP INSTRUMENTS

OXYTEMP Instructions

Congratulations on purchasing your new OxyTemp Probe!

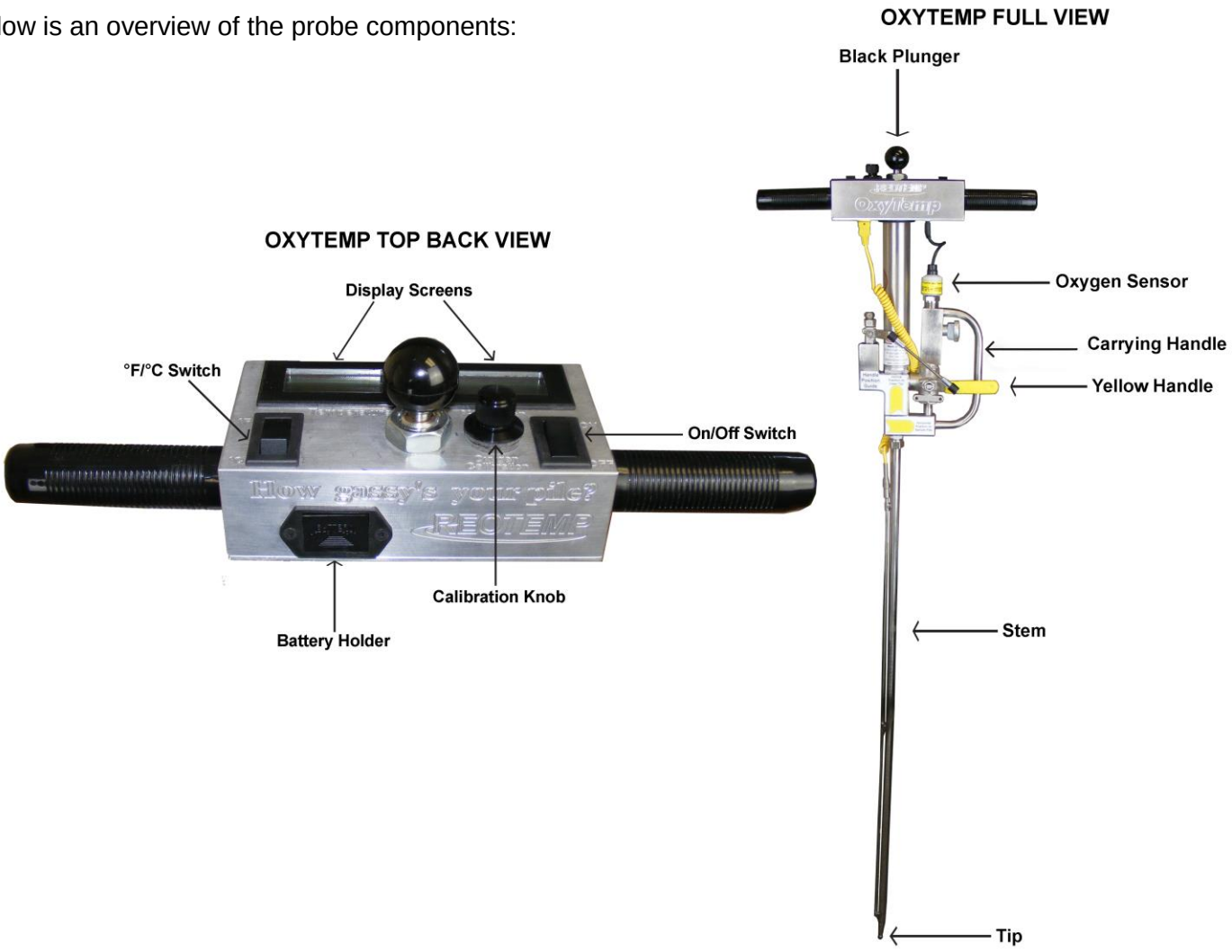
ASSEMBLY INSTRUCTIONS FOR ECO-OXYGEN PROBES

1. Thread the stem into the bottom of the upper housing.
2. Tighten stem with a wrench.
3. Then, insert the yellow cord into the male connection located on the underside of the upper housing.

GENERAL:
The REO*TEMP* OxyTemp Probe allows you to draw a sample of air from your compost pile and then test that same sample to determine the percent oxygen present. All in one simple motion! Samples are only drawn from the tip of the probe, which allows you to control where each one is taken. The unique design of this probe enables you to clean out the tip (if clogging occurs) by forcing ambient air through the tip.

For best results, a slow steady flow of air must be pushed across the sensor. See the sampling section for details. **Calibration must be completed before use**.

Below is an overview of the probe components:



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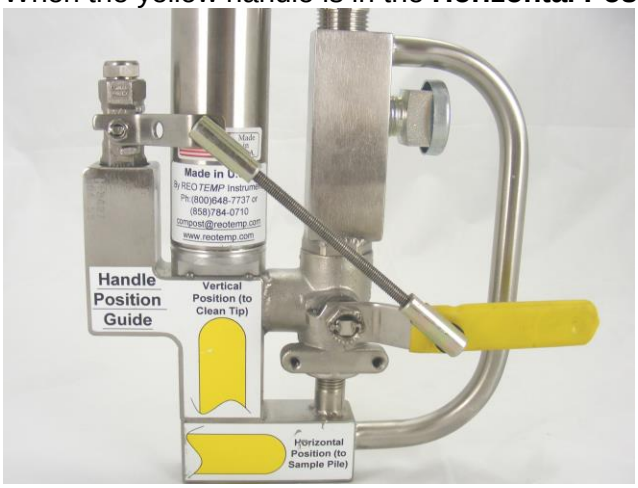
YELLOW HANDLE POSITION GUIDE:

When the yellow handle is in the **Horizontal Position or "Sampling Position"**:



- Pulling the black plunger will draw air from the tip.
- Pushing the black plunger will move the drawn air across the sensor.

Note: the "pushing stroke" should take **6 seconds** for best results.

When the yellow handle is in the **Vertical Position or "Cleaning Position"**:

- Pulling the plunger will draw in ambient air.
- Pushing the plunger will move air out the tip (cleaning it).

Note: the "pushing stroke" should be fast to clean out tip.

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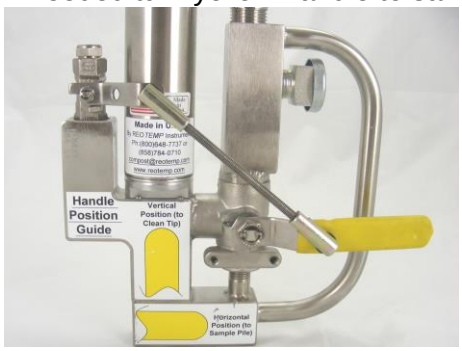
CALIBRATION INSTRUCTIONS:

1. Turn on probe (allow a few seconds to warm up).

2. Make sure the tip is in clean ambient air.
3. If needed turn yellow handle to sampling position, shown below:



4. Pull & Push 2 samples of fresh air (using black plunger).

5. Pull a 3rd sample and while pushing back in, adjust calibration knob to read “20.9” (clean ambient air is 20.9% oxygen). Note: “pushing stroke” should take **6 seconds** for best results.

6. Your oxygen probe is now calibrated and ready to measure!

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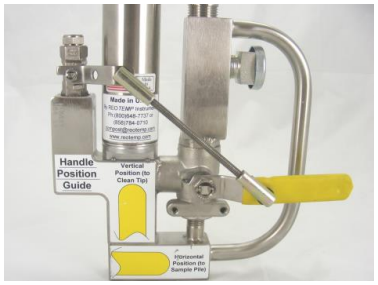
SAMPLING:

Warning: Avoid sucking liquid into the air chamber. Sediments may collect and cause clogging.

1. Calibrate probe (see instructions above).
2. Once calibrated, insert probe into compost pile.
3. Make sure the handle is in the Horizontal or “Sampling” position.



4. Pull the black plunger out. Push the black plunger in. Repeat 2 times. (this will purge the probe of any previously trapped gases).

5. Pull the plunger out a 3rd time.

6. (While watching the display) **Slowly Push** the plunger in a 3rd time. This should take **6 seconds** for best results. Record the percent oxygen displayed as the plunger was being pushed in.

7. Move to your next sampling location or compost pile and start over with step1. Suggestion - While walking to the next sample location you may want to use the clean out function.

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CLEANING INSTRUCTIONS:

Clogging can be a major issue when sampling oxygen in compost, which is why Reotemp has designed this probe with a “cleaning” feature. When your probe becomes clogged, perform the steps below.

1. Move the yellow handle to the Vertical or “Cleaning” Position.

2. Pull the black plunger out (sucking in ambient air).

3. Quickly Push the black plunger in (forcing air out the clogged tip).

4. Repeat as necessary.

Note: The cleaning procedure will likely only clean out some of the tip’s holes. This is ok. You should be able to re-insert the probe into your next sampling location and successfully pull a new sample.

BATTERY INSTRUCTIONS:

1. Use your finger to lift the battery holder as shown.

2. Slide battery holder out.

3. Replace battery.

4. Slide battery holder back in until it snaps into place.

REPLACEMENT PARTS:

Order replacement O2 Sensors and replacements tips at http://reotemp.mybigcommerce.com/