



THE STEP BY STEP PROCESS TO DETECT HIDDEN BED BUGS:

Your TDS unit will react differently when the probe is near hidden Bed Bugs than it reacts when it is near a Termite infestation. When Termites are present the TDS alarm will sound continuously for up to ten seconds. This is due to the large amount of Carbon Dioxide Termites produce from their digestion of cellulose material that builds up in confined wall areas.

Bed Bugs also produce Carbon Dioxide from their digestion of blood; however usually there are fewer bed bugs than termites, termites will produce more CO₂ than bed bugs and there is no place for the CO₂ to accumulate as it does with termites inside of wall cavities. There are exceptions to this rule.

Any trained technician can spot bed bugs on sheets or under a mattress. They can see tiny blood stains and find dead bodies of bed bugs in the bedding. They will usually know when there is an infestation. TDS can be another tool to help let them know when they have killed them all.

As sensitive as TDS is, one or two bed bugs out in the open, will not produce enough CO₂ to even register on our equipment. We know this from our test results. There must be several bed bugs and they must be in a confined space for a period of time.

When bed bugs hide it is usually in confined spaces. After a few hours in these spaces the CO₂ they produce builds up enough for it to register and our Bed Bug detector will indicate their presence by activating a series of alarm beeps. How many alarm beeps depends on how many bed bugs are in this confined hiding space and for how long they have been there.

When checking for bed bugs in drawers, wall cracks, floor cracks and gaps, electrical outlets or in cabinets you will find that the alarm will sound since the CO₂ is allowed to build up in these confined spaces over a period of time. Due to the small amount of CO₂ the bed bugs produce the alarm will sound only once and then they will have to build up more CO₂ for a period of time.

TDS can help you determine where to target your treatment and also help determine if your treatment is successful.

Your TDS Unit is equipped with the most powerful CO₂ Containment Sensor in the world and combined with a small vacuum pump to constantly draw in air samples. This enables the unit to detect the tiny amount of CO₂ produced by just a few hidden Bed Bugs.

We recommend when testing for Bed Bugs that the included 12" probe extension be used to prevent the operator's breathe from reacting with the unit. The unit should be in high sensitivity mode when testing for Bed Bugs and it will pick up the operators exhaled breath if not kept a distance away. A dust mask should be worn until the operator gets used to the unit.

In the high sensitivity mode the unit will react to a pocket of hidden bed bugs with a double or triple beep sound when the probe gets close to their hiding space. If there are a large amount of bed bugs in the same space then the alarm will sound with multiple beeps.