

SMART METER COVER – FREQUENTLY ASKED QUESTIONS

WHAT ABOUT THE BACK OF THE METER? WILL RF COME BACK THROUGH THE UTILITY BOX?

This is the most common question we get asked, hence why we have listed it first. The answer is NO - RF will not come back into the house. The reason is that the utility box itself is made of metal which blocks RF. The glass part of the smart meter is where the RF radiation emanates from. Unfortunately, the RF transmits outwardly in ALL directions - *anywhere inside the house that has line of site to the glass portion of the smart meter will be subject to RF exposure*. But, once the Smart Meter Cover is installed, *the cover combined with the back of the metal utility box forms a cage that contains the RF*. Once the Smart Meter Cover is in place the high frequency radiation cannot escape and ~98% of the RF energy is reduced. Please see our demonstration video [here](#).

HOW DO I KNOW IF THE SMART METER COVER IS WORKING?

Occasionally a customer will write to say that the meter is not effective – so far, every time this has happened, it is because the customer happens to be measuring the wrong type of EMF.

There are THREE main types of electromagnetic fields (EMFs). All three have been linked to important biological effects in the scientific research studies, **and each type of EMF is measured with a different kind of test instrument...**

The Smart Meter Cover reduces the RF (or microwave) radiation from the transmitter inside the smart meter. **To ensure the cover is working properly in reducing RF you would need to measure with an instrument that measures RF (again typically this is measured in $\mu\text{W}/\text{cm}^2$ or $\mu\text{W}/\text{m}^2$)**. Many inexpensive “EMF” meters on the market will only measure the electric or magnetic fields coming from the utility box.

Summary of the three types of electromagnetic fields (EMFs)

Radio Frequency (RF) Fields (including microwaves)

Radio Frequency (RF) Fields (including microwaves) have been linked to several kinds of health problems. RF fields are emitted from many wireless and electronic devices – cell towers, cell phones, cordless phones, TV/radio broadcast towers, **Smart Meters**, Wi-Fi, wireless computers and components, baby monitors, microwave ovens, radar, etc. In the US, they are usually measured in units of “microwatts per centimeter squared” ($\mu\text{W}/\text{cm}^2$).

ELF Magnetic Fields

ELF Magnetic Fields are an EMF component commonly linked to serious health effects in the research studies. Common sources include power lines, electrical wiring, light fixtures, appliances and most other electrical devices. Wiring errors and stray electricity in pipes can sometimes create surprisingly high levels. Magnetic fields are measured with an ELF* gaussmeter, in units called “milligauss” (mG).

(*Note: “ELF” or “extremely-low-frequency” is the scientific name for the EMF frequency range that includes the 60 cycles-per-second – or 60 Hertz – electricity used in the US and Canada.)

ELF Electric Fields

ELF Electric Fields have also been linked to important biological effects but have been studied less in the research. Electric fields are usually caused by hidden electrical wiring within walls, by nearby power cords for lamps and devices, and sometimes from overhead power lines. Electric fields induce measurable voltages onto the skin, which are easily detected with a Body Voltage Meter, in units of “AC Volts” (VAC).

DOES THE SMART METER COVER FIT EVERY SMART METER?

Based on customer feedback, the cover fits about 95% of electrical smart meters. Smart meters vary in size across the US and Canada. Typically the Smart Meter Cover will easily slide over the glass portion and secure to the base of the smart meter. For smart meters that are smaller, we include two lengths of high density, waterproof neoprene foam tape to aid with properly securing the cover. Please note, the Smart Meter Cover is NOT designed for water or gas smart meters. Please see the install instructions below for further details. If you are not happy with the fit over your cover, please return it for a FULL REFUND.

WILL THE UTILITY COMPANY CARE OR KNOW?

As long as the utility company continues to get a signal they will not know or care that you have decided to take action reduce your RF exposure. – see below

WILL THE UTILITY COMPANY RECEIVE A SIGNAL WITH THE COVER INSTALLED?

The utility company should still get a signal with the Smart Meter Cover installed. The Smart Meter Cover purposely does not block ALL of the RF transmitted from the smart meter. We have yet to have a single instance where a customer told us the utility company did not get their signal. Should this happen, please let us know and return the cover for a FULL REFUND.