

ProTracer™

System Description

Order No. 81007166

The ProTracer system is a diagnostic tool designed to help locate damage to an electric floor heating system manufactured by Watts Radiant.



System Ordering:

STEP 1: Call Customer Service at Watts Radiant to order the ProTracer. Order a Cable Repair Kit* if needed.

STEP 2: After receiving the ProTracer, watch the DVD video included and call Watts Radiant for help as needed.

STEP 3: After using the ProTracer, apply the address label provided with the system and ship it to Watts Radiant.

System Contents:

There are many components in the ProTracer system. These components are subject to change at any time. We have attempted to give the best combination of tools for a full diagnosis during a single visit at the lowest cost possible.

Currently the system consists of the components shown in the photo above:

- (1) **"Hipot" test unit:** This applies a high voltage to form a connection at the damage location. It can also be used to verify a heating cable is in good condition after the job is done.
- (1) **Resistor Box:** This is used in combination with the "Hipot" test unit.
- (1) **Current Box:** This is a variable transformer device to energize the heating cable at the rated value.
- (1) **InfraMeter™:** This is an infrared temperature meter used to get accurate floor temperature readings.
- (1) **"Fault Finder" meter:** This test meter sends a signal into the heating cable to show the distance to a problem.
- (1) **Multimeter:** This test meter has resistance, voltage, and a current wand.
- (4) **Thermally reactive sheets:** These sheets are 1' x 1' square and react by changing color within a specific temperature range. They help locate the pattern of heat on the floor and the location of the damage.
- (1) **Instructional DVD:** This short 10-minute video highlights the system use, making it quicker to understand.

A complete set of instructions, reference sheets, backup fuses are also included.

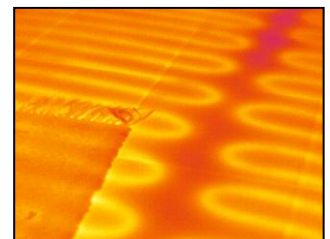
*NOT INCLUDED:

Cable Repair Kit. Must be ordered separately. (order part no. 81007142 for indoor products, order part no. 81012263 for snowmelt products)

Extension Cable (heavy duty). Required to allow connection to an outlet (not GFCI or AFCI protected).

Thermal Imaging Camera (not included):

You may want to consider renting or borrowing a thermal imaging camera. This device can help more quickly locate damage in the heating cable by "seeing" a much larger area of the floor at one time than the Thermally reactive sheets. There are various companies around the nation that rent these, some of which are on the internet (e.g. www.palmerwahl.com). You may also be able to borrow one from your local fire department or utility company. Some electrical contractor groups have these as well.



Upon return of the ProTracer equipment to Watts Radiant, Watts Radiant shall issue credit in the amount of the original sale price, less the following:

Use Fee: \$100

Extended Use Fees: If the Equipment is returned to Watts Radiant beyond the **3-week Use Period** allowed, credit will be reduced by an additional \$200, imposed weekly. For example:

- A) If it is returned within **week 4** after its received date from Watts Radiant, the original sale price, less the Use Fee, less \$200 is credited, less any **Repair Costs** if required.
- B) If it is returned within **week 5** after its received date from Watts Radiant, the original sale price, less the Use Fee, less \$400 is credited, less any **Repair Costs** if required.
- C) Etc.

Repair Costs: If the Equipment is returned to Watts Radiant with damage or missing parts, the deposit returned to the Customer will be reduced by any repair costs or replacement costs required to restore the Equipment as determined by Watts Radiant.

Shipping: Cost of shipping to and from Watts Radiant is the responsibility of the customer and shall not be credited.

NOTE: The **Use Period** begins on the date the ProTracer equipment is received at the customer location and ends on the date it is shipped back to Watts Radiant. Watts Radiant uses the tracking number on shipments to verify the received and return shipping dates.