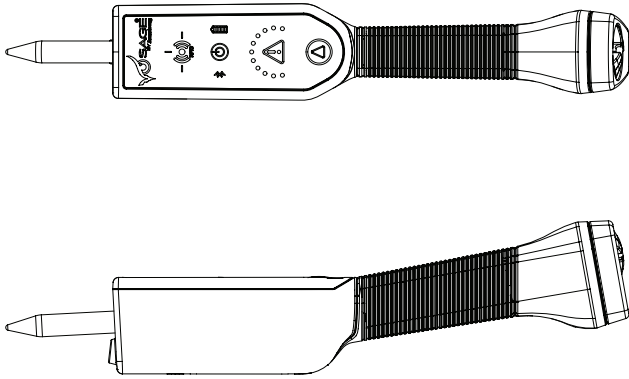




# SAGE UMT™ Automatic Steam Trap Tester



### Description

The SAGE UMT is a wireless hand-held steam trap testing tool. The SAGE UMT uses a state of the art piezo electric sensor developed and tuned specifically for the unique conditions found in steam traps. The acoustic sensor coupled with a non-contact infrared temperature sensor makes testing steam traps as simple as pressing a button.

The SAGE UMT is wireless and connects to any smart phone or tablet running the SAGE mobile app using Blue Tooth technology. This means no more cords to get tangled, broke or melted and giving any steam trap technician the freedom to test traps quickly and easily.

The SAGE UMT sends information gathered to the SAGE mobile app where it is immediately processed and recorded. That means, no more crinkled and scribbled on log sheets, no more returning to the computer to re-enter all the recorded survey information and no more lost or illegible field records.

The SAGE UMT is the final tool in the SAGE steam trap management system to bring your program to the highest level.

### Maximum Operating Conditions

Minimum steam pressure: 2 psig (0.14 barg)  
Maximum steam: 3200 psig (221 barg)  
Operating temperature: -4 °F to 140 °F (-20 °C to 60 °C)  
Battery charging ambient temperature: 32 °F to 113 °F (0 °C to 45 °C)

### Materials

Body: Heat resistant ABS  
Acoustic probe: 304 Stainless Steel  
Acoustic Sensor: Ceramic Piezo Electric  
Battery: 10+ hour Lithium Ion

### Features

Blue Tooth communication  
Built in RFID tag reader  
Standard thread connection for installation on a “painter’s pole”

### Specification

IP rating: IP 64 (Pending)  
BLE Spec: 4.2  
RFID Spec: 13.56 MHz  
Infrared sensor:  
- Optical grade, coated germanium lens  
- -40 °F to 716 °F (-40 °C to 380 °C)  
Weight: 1.25 lbs (0.57 kg)  
Voltage: 7.2 Volts DC  
Charging Voltage: is 12 VDC (6.5 W max.)

**For a fully detailed certified drawing, refer to drawing number.**



# SAGE UMT™ Automatic Steam Trap Tester

Accessories included in the SAGE UMT Package and available individually.

### SAGE UMT™ Holster



The SAGE UMT™ holster securely holds the UMT and can be configured in either a right and or a left-hand configuration.

### SAGE UMT™ Case



The SAGE UMT™ Case is specially designed to hold the SAGE UMT™, the charger, holster, IOM, a tablet (not included) and several stacks of 20 RFID tags (not included).

### SAGE® RFID Tag



The SAGE® RFID Tag is a non-metallic tag specifically designed to work with the SAGE UMT™. The tag is made of highly visible yellow material with large black numbers making the tag easy to read. The RFID chip can be read by the UMT, to bring the desired record up quickly and accurately.

### SAGE UMT™ Charger



The SAGE UMT™ charger will charge the UMT to 90% charge in 2.5 hours. A full charge can be completed in 5 hours.

### RFID Teardrop Tag

The RFID teardrop tag can be attached to an existing tag to create an RFID tag that can be read by the UMT. The teardrop tag can be fastened to the tag hanger and has a high strength adhesive to be fastened to the existing tag.

### Tag Installer

The Tag installed is designed to be installed on the end of a standard “painters” pole.

### Metal Tag (No RFID)

Standard metal tag with stamped number and hole to hang on heart shaped clip

### Heart Shaped Clip

The heart shaped clip is made of spring steel and designed to carry either the metal or SAGE® RFID enabled tags. It's heart shaped design allow the tag to be installed by simply sliding the tag over the piping.