

# SONICLEAN™

SO EASY – SO FAST – SO CLEAN



## Ultrasonic Performance Meter (UPM)

**Instant measurement of ultrasonic cleaning tank performance**



### **Ultrasonic Performance Meter**

The Ultrasonic Performance Meter provides accurate understanding of the ultrasonic behavior in an ultrasonic bath. This is achieved by measuring the active power level of the ultrasonic activity in the bath to confirm that the machine is working up to the required performance. This method of measurement is the equivalent of the foil test but without contaminating the water with foil fragments and is a much “easier, faster and cleaner” way of determining if your machine is performing correctly.

### **Cost Effectiveness**

This reliable low cost instrument measures the performance of ultrasonic cleaning systems. The user can use it to easily monitor the performance of ultrasonic cleaners over a period of time. It can be used in place of the foil test and in various positions within the bath.

### **Principle Of Operation**

The Ultrasonic Performance Meter monitors cavitation within the liquid medium in an ultrasonic cleaning bath. It employs a hand-held probe allowing measurements to be taken at various locations throughout the bath. The probe's high sensitivity means that problems with an ultrasonic cleaner can be detected before they become critical.

### **Easy to Use and Environmentally Friendly**

The pocket size meter is easy to use – simply press and hold the button to make measurements. The meter provides a brightly lit LED bar graph display. No maintenance is required for the probe or the meter except for battery replacement.



## SONIC 200 SPECIFICATIONS

Machine operating frequency	30kHz - 50kHz
Display	Ten segment three colour LED bar graph
Electrical supply	Internal 9V battery (supplied). Optional 8 – 12VDC external supply (not supplied)
Warranty	1 year warranty against manufacturing defects
Meter dimensions:	75mm (W) x 105mm (D) x 25mm (H)
Weight	136g
Probe type	Hand-held
Probe calibration temperature range	15 – 25°C
Probe material & length	Stainless Steel 304 probe, plastic handle, standard length 400mm.
Cable length:	560 mm

Specifications and product appearance subject to change without notice.

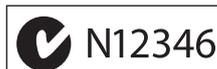


### Test Procedure

1. Before proceeding with the test, turn the ultrasonic cleaner on for a few minutes to degas.
2. Lower the UPM probe into the tank so the probe head is completely submerged.
3. With the probe held still, press the central pushbutton on the meter unit. Performance measurements will be made and displayed on the bar-graph continuously until the button is released.
4. Satisfactory cavitation is being achieved if the UPM indicates a reading between 7 and 10 (In the green segments)

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