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USC1 - September 21, 2018

Item # USC1 was discontinued on September 21, 2018. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

ULTRASONIC CLEANER

- ▶ Use Ultrasonic Waves to Clean Small Components
- ▶ Foot Pedal Switch for Hands-Free Operation
- ▶ Includes Two 80 mL Beakers for Using Two Cleaning Solvents Simultaneously

Application Idea

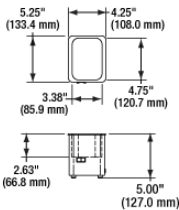


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OVERVIEW

Features

- Generates Ultrasonic Waves at 55 kHz with 22 W Power for Cleaning Small Components
- Two 80 mL Beakers for Holding Samples and Solvents During Cleaning
- Included Foot Pedal Allows for Hands-Free Operation



Click to Enlarge  
Outer and Tank Dimensions of  
the USC1

The USC1 Ultrasonic Cleaner is a self-contained, compact device that uses ultrasonic waves to clean small components. It produces waves with a peak power of 22 W and a frequency of 55 kHz. The 530 mL tank is filled with a liquid, usually water. A foot pedal that is plugged into the electrical cord offers hands-free operation.

For cleaning components with solvents, Thorlabs recommends holding the solvent in the beakers within the cleaner as shown in the image above. This method allows the user to clean the sample in a solvent, then follow immediately with a rinsing step in the other beaker. Note that the beakers can be left uncovered during the USC1's cleaning process, but ensure that the solvent will not splash prior to removing the covers, as perturbations will occur.

USC1 Ultrasonic Cleaner Specifications	
Outside Dimensions (L x W x H)	5.25" x 4.25" x 5.00" (133.4 mm x 108.0 mm x 127.0 mm)
Tank Capacity	530 mL (18 fl oz.)
Tank Dimensions (L x W x H)	4.75" x 3.38" x 2.63" (120.7 mm x 85.9 mm x 66.8 mm)
Beaker Capacity	80 mL (Two Beakers Included)
Internal Beaker Dimensions	Ø1.80" x 2.65" (Ø45.7 mm x 67.3 mm)
Peak Output Power	22 W
Peak Output Frequency	55 kHz
Operating Current	0.2 A
Operating Voltage	117 VAC @ 50/60 Hz <sup>a</sup>
Weight	5 lbs (2.27 kg)

- US Power Cord Only



Please note that the USC1 includes a power cord for US-style outlets and requires 117 VAC to operate. There is no 230 V equivalent at this time.

[Hide Part Numbers](#)

Part Number	Description	Price	Availability
USC1	Compact Ultrasonic Cleaner with Foot Pedal Switch	\$650.76	Lead Time