

## Sonics Ultrasonic Processor (VCX-130)

**Product Code:** SONVCX-130

**Brand:** Sonics & Materials

Sonics Ultrasonic Processor (VCX-130) is suitable for small volume applications. It includes an energy meter, a 1 second to 10 hour timer plus a programmable (1 to 59 second) pulser to safely process a wide range of organic and inorganic materials from 150 microlitres to 150 millilitres. Typical applications include biotechnology and pharmaceutical processing (mixing, dispersion, and sample preparation). Remote actuation is possible via the optional foot switch.

For working with any sonicator within a laboratory environment we recommend enclosing the probe assembly within a sound abating chamber.

The standard 6mm probe is suitable for processing volumes from 10 to 50ml. To process volumes smaller than 10ml or larger than 50ml, a different probe would be required (please contact us to discuss your requirements).

### Features

- Energy monitor.
- Digital wattmeter
- Automatic tuning
- Automatic amplitude compensation
- Microprocessor based - programmable
- Ten hour timer
- 1.59 second independent ON/OFF pulser
- Elapsed time indicator
- Variable power output control
- **Power Supply:** Remote actuation and footswitch compatible
- Autoclavable standard probe



# Specifications

<b>Power Supply</b>	<b>Net Power Output</b>	130 Watts
	<b>Frequency</b>	20 kHz
	<b>Dimensions (H x W x D)</b>	115 x 250 x 320mm
	<b>Weight</b>	3kg
	<b>Timer</b>	Variable from 1 second to 10 hours
	<b>Pulser</b>	On and off cycle are independently controllable from 1 second to 59 seconds
<b>Converter</b>	Part No. CV 18. Piezoelectric lead zirconate titanate crystals (PZT)	
	Part No. CV 187. Same as CV 18 but with fittings for air cooling	
	<b>Diameter</b>	32mm
	<b>Length</b>	146mm
	<b>Weight</b>	340g
	<b>Cable Length</b>	1.5m
<b>Standard Probe</b>	<b>Tip Diameter</b>	6mm
	<b>Processing Capability</b>	10ml to 50ml
	<b>Length</b>	113mm
	Titanium alloy Ti-6Al-4V	
<b>Electrical Requirements</b>	Unless otherwise requested, units are shipped wired for 117 volts, 50/60Hz. For export, please specify desired voltage option.	

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