

# Q125 Sonicator

**The Q125 is a microprocessor based, programmable ultrasonic processor. Features include pulse mode and a digital display of both wattage and joules.**

The unit is effective for standard cell disruption, DNA/RNA shearing, homogenization and many other applications. The Q125 is ideal for small samples and for customers that do not plan to scale up to larger volumes in the future. This model offers the same programming and display features as the Q500 unit.



Stand sold separately.

## FEATURES:

### Programmable operation

Set time and amplitude for hands free operation

### Pulse mode

Prevent heat buildup in temperature sensitive samples

### Digital amplitude / intensity control

Output intensity can be set from 20-100%

### Elapsed time indicator

Displays duration of sonication

### Display of wattage and joules

Real-time energy monitoring

### Overload protection

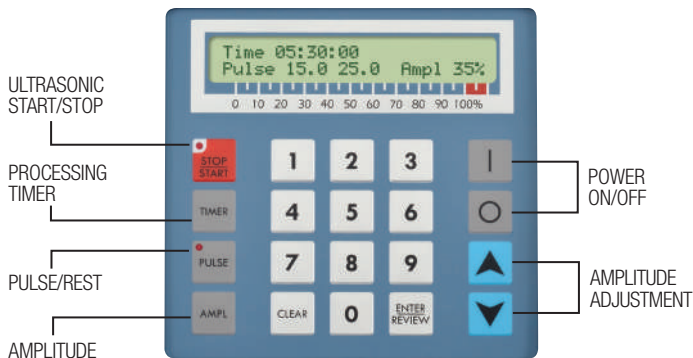
Prevents damage to circuitry if a fault occurs

### RoHS compliant

Uses lead free components

### Compact design

Takes up less space than competitive units



## PART NO. Q125 INCLUDES:

- Generator
- Converter
- 1/8" (3mm) diameter probe
- Power cable
- Converter cable
- Wrench set

## TECHNICAL SPECIFICATIONS:

|                                 |   |
|---------------------------------|---|
| <b>Power Rating:</b>            | 125 watts                                 |
| <b>Frequency:</b>               | 20kHz                                     |
| <b>Programmable Timer:</b>      | 10 hours                                  |
| <b>Adjustable Pulse On/Off:</b> | 1 second to 1 minute                      |
| <b>Dimensions (W x L x H):</b>  | 8 x 13.75 x 5.75 in. (203 x 349 x 146 mm) |
| <b>Voltage:</b>                 | 110V, 50/60 Hz                            |

Specify desired voltage for export.

**Probes**



| Probes             | Part # 4423 | Part # 4422  | Part #4435  |
|--------------------|-------------|--------------|-------------|
| Processing Volume* | 200µl - 5mL | 500µl - 15mL | 10mL - 50mL |
| Tip Diameter       | 5/64" (2mm) | 1/8" (3mm)   | 1/4" (6mm)  |
| Amplitude (µm)     | 200         | 180          | 120         |

**Sound Enclosure**



| Part # | Description  |
|--------|--|
| 432A   | Sound Enclosure with Converter Holder, Exterior Dimensions (W x H x D) 20 x 12 x 12 in. (508 x 254 x 254 mm) |

**Support Stand**

| Part # | Description                         |
|--------|-------------------------------------|
| 460    | Support Stand with Converter Holder |



**Converter**

| Part # | Description           |
|--------|-----------------------|
| CL18   | Replacement Converter |



**8 Tip Horn**

| Part # 4602  |
|--|
| Tip Diameter 1/8" (3mm)                            |
| Distance Between Tips 0.35" (9mm) center to center |



**Cup Horn**



| Part # 4608                 |
|-----------------------------|
| Horn Diameter 25/32" (20mm) |
| Cup ID* 1.5" (38mm)         |

\*Accommodates (two) 1.5mL microtubes or (one) 15mL Falcon tube.