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# FASTEST EPROM ERASING with Reliable **SPECTROLINE**® Systems

Whether you're erasing one EPROM chip or a thousand, you'll want the latest and most advanced UV erasing system available. We have thirteen high-performance systems to match your specific needs and your budget. They are specially designed to provide complete erasure of chips **in as little as 3 minutes or less!**

All Spectroliner erasers are handsomely styled of rugged, anodized aluminum and stainless steel. They have a safety interlock to protect the user against accidental exposure to hazardous short wave (254nm) UV radiation. And each system is backed by Spectronics Corporation...**the world's largest manufacturer of UV EPROM erasing equipment.**

| System   | Automatic Timer Shut-Off | Chip Erasing Capacity*   | Typical Intensity (μW/cm <sup>2</sup> ) |
|----------|--------------------------|--|---|
| PE-140   | No                       | 9  | 8,000                                   |
| PE-140T  | Yes                      | 9  | 8,000                                   |
| PE-240T  | Yes                      | 12   | 9,600                                   |
| PL-265T  | Yes                      | 30   | 9,600                                   |
| PR-125T  | Yes                      | 25   | 17,000                                  |
| PR-320T  | Yes                      | 42   | 17,000                                  |
| PC-1100A | Yes                      | 84   | 18,500                                  |
| PC-2200A | Yes                      | 168  | 18,500                                  |
| PC-3300A | Yes                      | 252  | 18,500                                  |
| PC-4400A | Yes                      | 336  | 18,500                                  |
| PC-4420A | Yes                      | 336  | 50,000**                                |
| PC-8820A | Yes                      | 840  | 70,000**                                |
| PC-9920A | Yes                      | 940<br>6" wafers (24)<br>8" wafers (12)<br>12" wafers (6)<br>8" w/ metal rings (6)<br>12" w/ metal rings (2) | 70,000**                                |

\* Based on 24-pin EPROMs.  
\*\* Measured with Spectroliner™ AccuMAX XR-1000 readout unit and XS-254 UV sensor detector.



◀ The PE-140, PE-140T and PE-240T are low-cost, desk-top lamps. They are the fastest, most efficient units of their size and are specially designed for **personal and small-systems users**. The PE-140 and PE-140T each feature a 4-watt tube, while the PE-240T has two 4-watt tubes.

▶ The PL-265T, PR-125T and PR-320T are ideal lamps for **data processing centers and other medium-volume EPROM users**. The PL-265T is equipped with two 6-watt tubes, while the PR-125T and PR-320T feature high-intensity, ozone-free grid tubes for faster, more efficient erasing. All three units will accept PC boards and metric cards up to 4 x 9" (10 x 23cm).



◀ The PC-Series are large-capacity cabinets designed for **high-volume production requirements**. They use ultra-high intensity, ozone-free grid tubes with up to four times the throughput of competitive systems. All six units will accommodate PC boards, metric cards and 3" - 8" (75-200mm) wafers. In addition, the PC-3300A, PC-4400A, PC-4420A, PC-8820A and PC-9920A will accept open-face stocking tubes for mass chip erasing without unloading. Both the PC-8820B and the PC-9920A can also accommodate 12" (300mm) wafers.

▶ The AccuMAX short wave UV radiometers **measure the UV intensity** of EPROM erasers.



# TECHNICAL DATA

## Specifications

## Erasing Time Required in Minutes

| Model    | Chip Erasing Capacity  | Typical Intensity ( $\mu\text{W}/\text{cm}^2$ ) | Inside Tray Dimensions   | Overall Housing Dimensions   | Net Weight                       | Nominal Erasing Energy |                       |                       | Number of EPROMs in Eraser* |
|----------|--|---|--|--|----------------------------------|------------------------|-----------------------|-----------------------|-----------------------------|
|          |  |   |  |  |                                  | 6W-sec $\text{cm}^2$   | 10W-sec $\text{cm}^2$ | 15W-sec $\text{cm}^2$ |                             |
| PE-140   | 9  | 8,000   | 2W x 6 $\frac{5}{8}$ L x $\frac{5}{8}$ "H<br>(5.1W x 16.8L x 1.6cmH)                   | 3 $\frac{1}{4}$ W x 8L x 3 $\frac{3}{4}$ "H<br>(8.3W x 20.3L x 9.5cmH)                   | 2 $\frac{3}{4}$ lbs.<br>(1.2kg)  | 12.5<br>13.8           | 20.8<br>22.9          | 31.2<br>34.5          | 1<br>3                      |
| PE-140T  | 9  | 8,000   | 2W x 6 $\frac{5}{8}$ L x $\frac{5}{8}$ "H<br>(5.1W x 16.8L x 1.6cmH)                   | 3 $\frac{1}{4}$ W x 10 $\frac{1}{4}$ L x 3 $\frac{3}{4}$ "H<br>(8.3W x 26L x 9.5cmH)     | 3 $\frac{1}{4}$ lbs.<br>(1.5kg)  | 15.3                   | 25.6                  | 38.4                  | 9                           |
| PE-240T  | 12   | 9,600   | 2W x 6 $\frac{5}{8}$ L x $\frac{5}{8}$ "H<br>(5.1W x 16.8L x 1.6cmH)                   | 3 $\frac{1}{4}$ W x 10 $\frac{1}{4}$ L x 3 $\frac{3}{4}$ "H<br>(8.3W x 26L x 9.5cmH)     | 3 $\frac{1}{4}$ lbs.<br>(1.5kg)  | 10.4<br>10.9<br>13.6   | 17.4<br>18.1<br>22.7  | 26.0<br>27.2<br>34.1  | 2<br>4<br>12                |
| PL-265T  | 30   | 9,600   | 4 $\frac{1}{2}$ W x 9 $\frac{1}{4}$ L x 1 $\frac{3}{8}$ "H<br>(10.5W x 25.1L x 3.5cmH) | 4 $\frac{5}{8}$ W x 11 $\frac{1}{8}$ L x 5 $\frac{3}{8}$ "H<br>(11.7W x 28.3L x 13.7cmH) | 6 $\frac{1}{4}$ lbs.<br>(2.8kg)  | 10.4<br>10.9<br>13.6   | 17.4<br>18.1<br>22.7  | 26.0<br>27.2<br>34.1  | 2<br>5<br>30                |
| PR-125T  | 25   | 17,000  | 4 $\frac{1}{8}$ W x 9 $\frac{1}{4}$ L x 1 $\frac{3}{8}$ "H<br>(10.5W x 25.1L x 3.5cmH) | 5W x 17 $\frac{3}{8}$ L x 6"H<br>(12.7W x 44.1L x 15.3cmH)                               | 15 $\frac{1}{4}$ lbs.<br>(6.9kg) | 5.9                    | 9.8                   | 14.7                  | 1 chip to full capacity     |
| PR-320T  | 42   | 17,000  | 4 $\frac{1}{8}$ W x 9 $\frac{1}{4}$ L x 1 $\frac{3}{8}$ "H<br>(10.5W x 25.1L x 3.5cmH) | 5W x 17 $\frac{3}{8}$ L x 6"H<br>(12.7W x 44.1L x 15.3cmH)                               | 15 $\frac{1}{4}$ lbs.<br>(6.9kg) |                        |                       |                       |                             |
| PC-1100A | 84   | 18,500  | 8 $\frac{3}{8}$ W x 12L x 1 $\frac{3}{8}$ "H<br>(21.3W x 30.5L x 3.5cmH)               | 12 $\frac{1}{4}$ W x 18L x 8 $\frac{3}{8}$ "H<br>(31.1W x 45.7L x 21.3cmH)               | 26 lbs.<br>(11.8kg)              | 5.4                    | 9.0                   | 13.5                  | 1 chip to full capacity     |
| PC-2200A | 168  | 18,500  | 16 $\frac{3}{8}$ W x 12L x 1 $\frac{3}{8}$ "H<br>(41.6W x 30.5L x 3.5cmH)              | 20 $\frac{1}{4}$ W x 18L x 8 $\frac{3}{8}$ "H<br>(51.4W x 45.7L x 21.3cmH)               | 37 lbs.<br>(16.8kg)              |                        |                       |                       |                             |
| PC-3300A | 252  | 18,500  | 24 $\frac{3}{8}$ W x 12L x 1 $\frac{3}{8}$ "H<br>(61.9W x 30.5L x 3.5cmH)              | 28 $\frac{1}{8}$ W x 18L x 8 $\frac{3}{8}$ "H<br>(71.8W x 45.7L x 21.3cmH)               | 52 lbs.<br>(23.6kg)              |                        |                       |                       |                             |
| PC-4400A | 336  | 18,500  | 32 $\frac{3}{8}$ W x 12L x 1 $\frac{3}{8}$ "H<br>(82.2W x 30.5L x 3.5cmH)              | 36 $\frac{1}{2}$ W x 18L x 8 $\frac{3}{8}$ "H<br>(92.1W x 45.7L x 21.3cmH)               | 65 lbs.<br>(29.5kg)              |                        |                       |                       |                             |
| PC-4420A | 336  | 50,000**  | 32 $\frac{3}{8}$ W x 12L x 1 $\frac{3}{8}$ "H<br>(82.2W x 30.5L x 3.5cmH)              | 37W x 18L x 12"H<br>(94.0W x 45.7L x 30.5cmH)  | 140 lbs.<br>(63.5kg)             | 4.0                    | 6.7                   | 10.0                  | 1 chip to full capacity     |
| PC-8820A | 840  | 70,000**  | 32 $\frac{3}{8}$ W x 26 $\frac{3}{4}$ L x 2"H<br>(82.2W x 67.9L x 5.1cmH)              | 37W x 36L x 17 $\frac{1}{2}$ "H<br>(94.0W x 91.4L x 44.5cmH)                             | 275 lbs.<br>(124.7kg)            | 2.5                    | 4.2                   | 6.3                   | 1 chip to full capacity     |
| PC-9920A | 940<br>6" wafers (24)<br>8" wafers (12)<br>12" wafers (6)<br>8" w/ metal rings (6)<br>12" w/ metal rings (2) | 70,000**  | 28W x 36 $\frac{3}{4}$ L x 1 $\frac{5}{8}$ "H<br>(71.1W x 93.3L x 4.1cmH)              | 36 $\frac{1}{2}$ W x 40 $\frac{1}{2}$ L x 18"H<br>(92.7W x 102.9L x 45.7cmH)             | 380 lbs.<br>(172.4kg)            | 2.5                    | 4.2                   | 6.3                   | 1 chip to full capacity     |

\*Based on 24-pin EPROMs.

\*\*Intensities measured with Spectroline AccuMAX XR-1000 readout unit and XS-254 UV sensor detector.

$$\text{Erase Time (Minutes)} = \frac{\text{Nominal Erasing Energy (W-sec/cm}^2\text{)} \times 1,000,000}{\text{UV Intensity } (\mu\text{W/cm}^2\text{)} \times 60}$$

**NOTE:** All units are UL listed, except the PC-4420A and PC-8820A. In addition, the PE-Series are CSA approved. Technical data subject to change.



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