

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 Spectrolines 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 ($\mu\text{W}/\text{cm}^2$)
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	25,000
PC-8820A	Yes	840	70,000
PC-9920A	Yes	8" wafers (12) 12" wafers (6) 8" w/ metal rings (6) 12" w/ metal rings (2)	70,000*

*Measured with Spectrolines™ 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" (300nm) 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 cm^2	10W-sec cm^2	15W-sec cm^2	
PE-140	9	8,000	2W x 6 $\frac{5}{8}$ L x $\frac{5}{8}$ "H (5.1W x 16.8L x 1.6cmH)	3 $\frac{1}{4}$ W x 8L x 3 $\frac{3}{4}$ "H (8.3W x 20.3L x 9.5cmH)	2 $\frac{3}{4}$ lbs. (1.2kg)	12.5 13.8 15.3	20.8 22.9 25.6	31.2 34.5 38.4	1 3 9
PE-140T	9	8,000	2W x 6 $\frac{5}{8}$ L x $\frac{5}{8}$ "H (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 (8.3W x 26L x 9.5cmH)	3 $\frac{1}{4}$ lbs. (1.5kg)				
PE-240T	12	9,600	2W x 6 $\frac{5}{8}$ L x $\frac{5}{8}$ "H (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 (8.3W x 26L x 9.5cmH)	3 $\frac{1}{4}$ lbs. (1.5kg)	10.4 10.9 13.6	17.4 18.1 22.7	26.0 27.2 34.1	2 4 12
PL-265T	30	9,600	4 $\frac{1}{2}$ W x 9 $\frac{1}{2}$ L x 1 $\frac{3}{8}$ "H (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 (11.7W x 28.3L x 13.7cmH)	6 $\frac{1}{4}$ lbs. (2.8kg)	10.4 10.9 13.6	17.4 18.1 22.7	26.0 27.2 34.1	2 5 30
PR-125T	25	17,000	4 $\frac{1}{8}$ W x 9 $\frac{1}{2}$ L x 1 $\frac{3}{8}$ "H (10.5W x 25.1L x 3.5cmH)	5W x 17 $\frac{3}{8}$ L x 6"H (12.7W x 44.1L x 15.3cmH)	15 $\frac{1}{4}$ lbs. (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 $\frac{1}{2}$ L x 1 $\frac{3}{8}$ "H (10.5W x 25.1L x 3.5cmH)	5W x 17 $\frac{3}{8}$ L x 6"H (12.7W x 44.1L x 15.3cmH)	15 $\frac{1}{4}$ lbs. (6.9kg)				
PC-1100A	84	18,500	8 $\frac{3}{8}$ W x 12L x 1 $\frac{1}{8}$ "H (21.3W x 30.5L x 3.5cmH)	12 $\frac{1}{4}$ W x 18L x 8 $\frac{3}{8}$ "H (31.1W x 45.7L x 21.3cmH)	26 lbs. (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 $\frac{1}{8}$ "H (41.6W x 30.5L x 3.5cmH)	20 $\frac{1}{4}$ W x 18L x 8 $\frac{3}{8}$ "H (51.4W x 45.7L x 21.3cmH)	37 lbs. (16.8kg)				
PC-3300A	252	18,500	24 $\frac{3}{8}$ W x 12L x 1 $\frac{1}{8}$ "H (61.9W x 30.5L x 3.5cmH)	28 $\frac{1}{4}$ W x 18L x 8 $\frac{3}{8}$ "H (71.8W x 45.7L x 21.3cmH)	52 lbs. (23.6kg)				
PC-4400A	336	18,500	32 $\frac{3}{8}$ W x 12L x 1 $\frac{1}{8}$ "H (82.2W x 30.5L x 3.5cmH)	36 $\frac{1}{4}$ W x 18L x 8 $\frac{3}{8}$ "H (92.1W x 45.7L x 21.3cmH)	65 lbs. (29.5kg)				
PC-4420A	336	25,000	32 $\frac{3}{8}$ W x 12L x 1 $\frac{3}{8}$ "H (82.2W x 30.5L x 3.5cmH)	37W x 18L x 12"H (94.0W x 45.7L x 30.5cmH)	140 lbs. (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 (82.2W x 67.9L x 5.1cmH)	37W x 36L x 17 $\frac{1}{2}$ "H (94.0W x 91.4L x 44.5cmH)	275 lbs. (124.7kg)	2.5	4.2	6.3	1 chip to full capacity
PC-9920A	8" wafers (12) 12" wafers (6) 8" w/ metal rings (6) 12" w/ metal rings (2)	70,000**	28W x 36 $\frac{3}{4}$ L x 1 $\frac{5}{8}$ "H (71.1W x 93.3L x 4.1cmH)	36 $\frac{1}{2}$ W x 40 $\frac{1}{2}$ L x 18"H (92.7W x 102.9L x 45.7cmH)	380 lbs. (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.

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

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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