



Western Instruments

Established 1965

26509 Township Road 543
St. Albert, Alberta
T8N 1M8 Canada

Phone: (780) 459-6720
Fax: (780) 459-7837
E-mail: info@westerninstruments.com

Web: www.westerninstruments.com

SB-100P Super High-Intensity Lamp

Designed for maximum efficiency and versatility.

The SB-100P 100-watt UV lamp produces super-high UV intensity without excess visible light! Developed to make your work easier, the SB-100P is precision-engineered for use in countless applications. It is perfect for nondestructive testing, quality control, UV curing, leak detection and much more.



Choice of spot or flood bulbs provides widest range of applications.

The SB-100P can be equipped with your choice of two bulbs, each with a rated life of 5,000 hours. The spot bulb provides a concentrated beam with a steady-state 365nm intensity of $4,800 \mu\text{W}/\text{cm}^2$ at 15 inches (38 cm), while the flood bulb (available with 120V and 100V models only) produces a broader beam of $1,200 \mu\text{W}/\text{cm}^2$ at 15 inches. The SB-100P has a very low visible light emission of under two foot-candles (20 lux) to assure compliance with military and aerospace industry specifications.

Combines new state-of-the-art innovations with proven features.

The SB-100P was designed with the needs of the industry in mind. Its lamp head and transformer base housings are constructed of a rugged engineering polymer that virtually eliminates dents, cracks and scratches. The cord is made of a heat-and crack-resistant material. It exits from the stay-cool, contoured handle, which prevents tangling. The crack-resistant, tempered filter dramatically reduces replacement costs. The lamp head easily lifts from the metal handle of the transformer base for comfortable hand-held use. For bench use, it can be conveniently rotated 360° when mounted on the base handle. The SB-100P is now more effective than ever with a positioning pin that enables inspection at a 45° angle.

Unique Bulb-Saver™ extends bulb life.

To greatly reduce replacement costs due to broken bulbs, we include our unique Bulb-Saver at no extra charge. It minimizes bulb movement during normal handling, reducing the risk of breakage.

Tough, dependable and safe.

To reduce shock hazard, the SB-100P comes equipped with a special heat-resistant, 3-wire secondary cord and a fully enclosed encapsulated ballast. The primary and secondary cords are both 8-feet (2.5 m) long. Also available are the SB-100PX which comes with a 20-foot (6m) secondary cord and the SB-100PXR which is equipped with 20-foot primary and secondary cords. The lamp head is only 7.5 inches (19 cm) long and weighs just 2.5 lbs. (1.1 kg). The SB-100P is UL listed and CE approved; a CSA-approved version is also available. The entire unit, including the transformer base, weighs 11.5 pounds (5.2 kg).

Flexible, silicone rubber filter holder.

The filter holder is easily removable without tools for bulb or filter replacement.

FREE UV-absorbing glasses included with every lamp.

The SB-100P, SB-100PX, SB-100PXR lamps
are available for these line voltages:

120V/60Hz 230V/50Hz 240V/50Hz 100V/50-60Hz