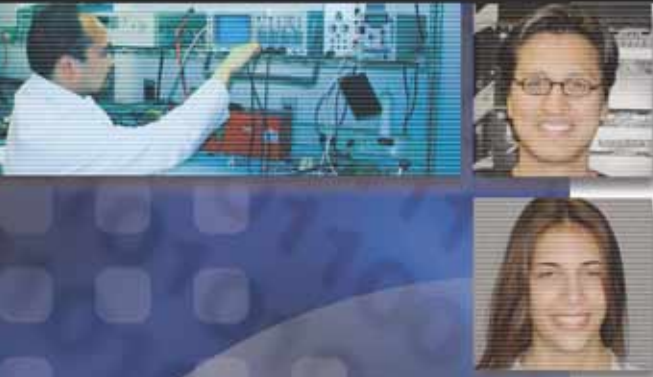


Acticure® 4000

Ultraviolet/Visible Spot Cure System



Intensity Adjustment and Locking

Internal Feedback Control

Remote Operation

The Acticure® 4000 delivers outstanding versatility for automated or manual precision assembly. Featuring automatic set-point control, the sophisticated intelligence of the system locks in user-selected settings, then continuously monitors and maintains them, ensuring both quality and repeatability.



Precision Technology that's Light Years Ahead

- 1. Optical Feedback Loop**
Measures output at source for set point control ensuring repeatability.
- 2. Optical Filters**
Filters available for virtually any application. Pull out drawer makes changes simple.
- 3. 2000 hour lamp life**
Intelli-Lamp® technology extends lamp life and delivers optimum performance
- 4. Menu/display**
User friendly menu and comprehensive display for easy unit operation and maintenance.



Intelligence

Intelli-Lamp® technology maintains optimum operating temperature for stable output and longer life. Dual fan configuration and an IC chip optimize lamp performance by minimizing lamp degradation, controlling, cooling and monitoring lamp hours.

Versatility

The Acticure®4000's high output power delivers the necessary intensity for optimized UV and visible light curing in a broad range of industries and applications. Optical filters are available for virtually any application.

Repeatability

The sophisticated technology EXFO has built into the Acticure®4000 ensures repeatable light delivery for every cure. The optical feedback loop measures output at the source for automatic set point control. The system lets you select the required output levels, then locks settings in and continuously monitors and maintains them, ensuring repeatable exposures.



Automated Control System

The optional ACS 1000 module provides real-time PC control to your Acticure®4000 system. Program StepCure® profiles, activate exposures, check unit status via RS232 or Ethernet communication using the Windows based software. For added value, the ACS 1000 provides process validation to the Acticure®4000.

Features

Benefits

Typical power output with the standard filter at 320-500nm: 21,700 mW/cm ²	Versatility: Delivers the intensity and power required for optimized UV and visible light curing for a broad range of industries and applications
Intensity adjustment and locking; internal feedback control	Exposure Control: Unit automatically monitors and maintains user-selected settings
Shutter and exposure verification alarms	Confirms Process: Ensures repeatability and quality control
Hot lamp strike prevention	Protects lamp life
Finger touch control panel with LED display	Easy to use
Intelli-Lamp® technology	Maintains optimum operating temperatures, stable lamp output, longer lamp life; displays accumulated lamp hours
Slide-out lamp drawer	Fast lamp and filter replacement
Foot pedal (standard)	Convenient hands free operation
Remote operation using 15-pin connector (standard)	External control for automated applications
CE marked; certified to IEC, Canadian and US standards	Ready for use worldwide

EXFO carries a full line of replacement parts, supplies and accessories. Our team of light-based technology experts can recommend a light delivery system for any spot curing challenge.

Light Delivery

EXFO offers flexible, liquid-filled light guides in a variety of lengths, tip sizes and configurations to suit most customer needs. Single or multi-legged fused silica-fiber guides and a family of optical accessories that meet virtually any assembly challenge are also available. EXFO welcomes custom requests for unique light delivery requirements.

Flexible Spectral Output

Meet unique spectral requirements with the right bandpass filter. EXFO carries a variety of filters that allow enhancements to cure characteristics and output refinements for specific conditions, such as protecting heat sensitive substrates.

Filter	Intensity Output*
250-450nm	22,500 mW/cm ²
320-390nm	10,300 mW/cm ²
365nm	5,600 mW/cm ²
320-500nm	21,700 mW/cm ²
400-500nm	8,100 mW/cm ²

* Measurements taken with a scanning radiometer; calibration traceable to NIST



Specifications

Lamp:	High Pressure 100 Watt Mercury Vapor Short Arc
Lamp Life:	2000 hours (typical)
Removable Filters:	Standard: 320-500nm / Optional: 250-450nm*, 365nm, 320-390nm, 400-500nm * Must be used with extended range or fused silica light guides.
Power Supply:	High efficiency, switch mode, line isolated 90-264 VAC, 47-63 Hz
Power In:	90-132/180-264 VAC / 47-63 Hz / Auto range selection
Warm-up Period:	90 seconds (typical)
Panel Controls:	Display Mode Button, Lamp On/Off, Exposure Time Set (0.2 - 999.9 seconds or manual), Shutter Activate Button, Intensity Lock/Unlock, Intensity Adjustment
Panel Displays:	Accumulated Lamp Usage, Digital Exposure Timer, Lamp On Indicator, Exposure Out Indicator, Shutter Alarm Indicator
Dimensions:	L x W x H, 12" x 11.5" x 5.75", 30.48 x 29.21 x 14.61 cm
Weight:	14 lb. / 6.36 kg
Includes:	Lamp module, standard bandpass filter, protective eyewear, grounded and shielded power cord, foot pedal, shielded interface cable, shutter lubrication and manual
Warranty:	1 year (excluding lamp and light guide)

The EXFO Photonic Solutions Inc. quality system has been registered to ISO 9001-1994 (#003017) by QMI. Protected by U.S. Patent # 5521392.

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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices.

Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

For the most recent version of this spec sheet, please go to the EXFO website at <http://www.exfo.com/support/techdocs.asp>

In case of discrepancy, the Web version takes precedence over any printed literature.

