F200P
Programmable UV Flood Curing Lamp

The INCURE F200P is a programmable UV flood curing lamp. F200P integrates all system components into a small lamp head which can be easily mounted anywhere on a factory floor, with virtually no cabling or remote control boxes required. Just mount the head, connect the AC line cord, and start timed exposure curing! The system contains an integrated retractable shade type shutter, which allows for repeatable exposure timing, and shields the user from UV radiation. The system's LCD display and digital keypad make programming and monitoring of curing operations a snap. The long life 600-Watt metal halide type lamp and parabolic reflector illuminate an 8 x 6 inch curing area with evenly distributed 200mW/cm^2 UVA light (320–390nm). The arc lamp is powered by the state of the art UV Power-Plus Lamp Driver.

FEATURES	**System Timers**	Duration of curing is controlled by a 1 to 9999 second exposure timer that actuates the shutter. The exposure timer also has a user controlled manual mode.
	Lamp Intensity Control	The system has a user adjustable intensity level. This feature provides the flexibility of choosing appropriate curing intensity for sensitive materials.
	Standby mode	The unit automatically reduces lamp power by one half when the shutter is closed. This reduces excessive heat and therefore increases life of system components, without the need to power down.
	Status Indicators	Four front panel LEDs are provided: Lamp ready, system in standby mode, shutter open, and system alarm.
	External logic signal interface	The system can be remotely monitored and controlled using logic signals available at a 15 pin D-sub connector on the unit's rear panel. The digital logic functions allow high speed control of the F200P for applications requiring a direct interface with machine controllers or PLCs.
	Remote control via PC serial port	The system can also be remotely controlled via a RS232 / RS485 serial port. A Windows™ compatible graphical interface program allows all system functions to be exercised (see photo), and with RS485, multiple units can be networked.
	Lamp power regulation	The system's switch mode power supply maintains constant lamp power regardless of variations in AC line input or lamp voltages. The result is repeatable curing times throughout the life of the lamp.
	Auto-Range AC line input	The Auto-Ranging 90-132 / 180-265 VAC line input makes the F200P easy to use in any country, with no wiring changes or voltage select switching required.

General			
	Model	F200P	
	Order Number	290007	
Power Supply			
	Input Voltage	90-132/180-265VAC	
	Input Current, 120/240V	10A/5.0A maximum	
	Source Input Frequency	47 Hz to 63 Hz	
	Lamp Power Regulation	± 1%	
	Fan / Auxiliary Voltage	24V	
	Protection	Inrush current limit, Line voltage surge, Short circuit, Open circuit, Hot re-strike, Over temperature	
Lamp			
	Lamp Type	600 Watt Metal Halide	Quartz, ozone-free
	Lamp Voltage	140 ± 10V	
	Arc Length	32 mm	
	Burning Position	Horizontal	
	Radiation Flux	110 Watts	315 – 400 nm
	Warm-up Time	2 minutes	Lamp protection prevents restart of hot lamp
	Cooling time before Restart	5 minutes typical	
	Curing Area	8 x 6'' minimum	Affected by lamp height
	Peak Irradiance, typical	150 - 180 mW/cm^2 UVA	3'' from bottom face of head
	Lamp Life	1000 hours typical	Affected by number of on/off cycles
Environmental			
	Operating Temperature	+10 ℃ to +40 ℃ (+50 ℉ to +104 ℉)	
	Storage Temperature	0 ℃ to +60 ℃ (+32 ℉ to +140 ℉)	
	Relative Humidity	30 to 75% operating, 10 to 100% storage	Non-condensing
	Cooling	Forced air	
	Over-temp shutdown	60 ℃ (internal)	
Dimensions			
	L x W x H (inches)	11" x 10" x 9"	Including handle
	Weight (lbs.)	15 Pounds	