

**Dust and Water proof UV Lamp For Fluorescence Magnetic Particle Flaw Detection**

- 1, High-power 365nm Ultraviolet band LED Lamp Beads produced by Japanese NICHIA company, free from UV-B and UV-C element, spectrum is pure.
- 2, The lifetime of Lamp beads reach up to 20000 hours, efficient, energy conservation and environmental protection.
- 3 High power output, quick start, can reach the maximum illuminance as soon as switched on.
- 4 Ultra-low power, ultra-high efficiency. Cold operated with cold light source, long term stability output the illuminance.
- 5 Optical filter is high UV transmittance transparent Quartz optical glass.
- 6 The shell of the instrument is made of high strength aluminium alloy 6061-T6 precision machining. The surface is anodized, sturdy and durable.
- 7 The built-in efficient cooling fin and low noise high speed fan dissipate the heat through aluminium alloy shell integrally.
- 8 Dedicated high-speed charger is equipped.
- 9 With anti magnetic interference function, it can be used in high-intensity magnetic field.
- 10 The product has passed through International Standard of IEC 60529 --Housing Protection Grade(IP66)--dust proof and waterproof testing, wider working environment and more reliable.

**Application:**

- Fluorescence Penetrant Testing
- Fluorescence Magnetic Particle Flaw Detection
- Fluorescence Leak Detection

**Technical Specifications:**

Model	VM100	VM100D
Power Supply	AC	AC or Chargeable Battery Group
Lamp Bead Amount	5	5
Output Power	15W	12W
Intensity of Ultraviolet Ray at 38cm Distance	≥16000uW/cm <sup>2</sup>	≥11000uW/cm <sup>2</sup>
Weight(including Battery)	1290g	1560g
Lamp Beads	NICHIA 365nm Ultraviolet band LED Lamp Beads	
Input Voltage	100-240VAC	
Irradiated Area at 38cm Distance	∅ 200mm	
Diameter of Light Inlet Window	∅ 88mm	
Battery group specification	Battery Model	ICR 18650--2600mAh 3.7V
	Number of Battery	2 * 4
	Charging Time	≥4H
	Working Hours	≥7H
	Life Time	Fully charge and discharge, 500 times