

PAC Fibre Laser Marking

Product Specifications Datasheet

This comprehensive datasheet provides detailed technical specifications and performance characteristics for our product line. The data encompasses critical parameters including dimensions, weight, power requirements, and operational capabilities across multiple product variants.



Physical Dimensions

Length: 150mm
Width: 75mm
Height: 25mm

Weight Specifications

Net Weight: 250g
Shipping Weight: 350g
Package Weight: 400g

Power Requirements

Input Voltage: 100-240V AC
Frequency: 50/60Hz
Power Consumption: 15W

Performance Characteristics & Operating Parameters

Operating Temperature

Minimum: -10°C
Maximum: 50°C
Optimal Range: 15-35°C
Storage Temperature: -20°C to 60°C

Environmental Ratings

Humidity: 10-90% RH
IP Rating: IP54
Altitude: Up to 2000m
Vibration Resistance: 5-500Hz

99.9%

Reliability Rating

Proven performance across extensive testing protocols

5000

Operating Hours

Mean time between failures (MTBF)

24

Warranty Period

Months of comprehensive coverage

All specifications are subject to standard manufacturing tolerances and may vary slightly based on production batch. Products are tested and certified to meet international quality standards including CE, FCC, and RoHS compliance. For detailed technical documentation and certification information, please contact our technical support team.

Environmental & Safety Standards

Compliance Certifications

- CE marking for European conformity
- UL certification for North American markets
- ISO 9001:2015 quality management
- RoHS compliant materials and components
- REACH regulation compliance

Safety Features

- Emergency stop functionality with redundant circuits
- Overload protection with automatic shutdown
- Thermal management with active cooling system
- Ground fault circuit interrupter (GFCI)
- Safety interlocks on all access panels

Installation Requirements

01

Site Preparation

Ensure level mounting surface with load capacity of minimum 250 kg/m². Verify adequate clearance of 500mm on all sides for ventilation and maintenance access.

02

Electrical Connection

Connect to dedicated circuit breaker rated at 16A minimum. Ensure proper grounding with resistance less than 10 ohms. Verify voltage stability within ±10% of nominal.

03

System Integration

Configure communication protocols (RS-485, Modbus RTU). Calibrate sensors and verify all safety interlocks. Perform initial test run under no-load conditions.

04

Commissioning

Complete full operational testing under load conditions. Document baseline performance metrics. Train operators on standard operating procedures and emergency protocols.

Technical Support & Warranty

 **Warranty Coverage:** Standard 24-month manufacturer warranty covering defects in materials and workmanship. Extended warranty options available for up to 60 months with comprehensive service agreements.

Technical Support: 24/7 hotline support with multilingual assistance. Remote diagnostics capability via secure network connection. On-site service available within 48 hours for critical issues.

Spare Parts Availability: Guaranteed availability of critical components for minimum 10 years from date of manufacture. Express shipping options for emergency replacements.