

DATASHEET

WELDIE AIR

VIBERLASER

Air-Cooled Handheld Fiber Laser Welder
Professional Grade. Zero Compromise.

Less is more.

- Distills professional laser welding to its essence.
- Forced air-cooling with 3D phase-change radiator technology.
- High-temperature chip architecture.
- No water. No bulk. No compromise.
- Just pure welding performance.



MATERIALS

Stainless Steel · Aluminum · Copper · Carbon Steel

MARKETS

Kitchen · Guardrail · Doors & Windows · Hardware

SAFETY STANDARDS

IEC 60825-1:2014 · EN 60825-1:2014+A11:2021 · Class 4 Laser Product

■ 1500W OUTPUT

Pure fiber laser power.
Deep penetration, stable performance.

■ 510g TORCH, 32kg Welder

Independently developed.
Fatigue-free, all-day operation.

■ AIR COOLED

No water chiller needed.
Compact. Portable. Ready anywhere.

■ SMART CONTROL

7" industrial touchscreen.
Intuitive HMI. Remote diagnostics.

CONTACT

www.viberlaser.com · info@viberlaser.com

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Model	Weldie Air
Output Power	1500 W
Operating Mode	CW / Modulation / Linear / Pulse / Timing
Output Power Range	1 % – 100 %
Laser Wavelength	1080 ± 10 nm
Power Stability	± 5 %
Max. Modulation Frequency	10 kHz
Response Time	< 25 µs
Red Diode Wavelength	650 nm
Red Diode Power	< 1 mW
Interface Type	ViberLaser handheld welding head
Focal Collimator	60 mm
Focal Length	150 mm
Cable Length	3/5/10 ± 0.5 m (customizable)
Protective Gas	Inert gases (N ₂ , Ar)
Ambient Temperature	-15°C ~ 45°C
Input Voltage	220 VAC / 50 Hz / 60 Hz
Power Consumption	≤ 4.0 kWh
Laser Welding Torch Weight	510g
Laser Welder Weight	32kg

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