

Power supply unit 1 channel 60 W for MFR series - Oki MFR-PS1100

Item no. WL24476

Manufacturer Oki

As a slim base for a soldering bench the MFR-PS1100 puts 60 watt on one port and drives any MFR series handpiece. SmartHeat induction regulates through the cartridge, so temperature calibration is never required. The unit can be combined with the MFR-2200 dual output series when the bench grows.

TECHNICAL DATA

Power	60 W
Weight	0.1 kg



STANDARDS & COMPLIANCE

ESD safe IEC 61340-5-1

DESCRIPTION

Single output power supply unit of the MFR series for building a soldering bench or as a replacement unit. One port delivers up to 60 watt, and control runs through the Curie characteristic of the cartridge, so the set point lives in the tip. At 90 mm wide and 2.3 kg the footprint stays small.

BENEFITS

- One port with 60 watt output at only 70 W input power
- SmartHeat induction without calibration, temperature stability +/- 1.1 °C in still air
- Combinable with the MFR-2200 series with two outputs when a second channel is added
- Accepts the complete cartridge programme from SxV and CxV through to DxP and SSC
- Wide range input 100-240 V, 50/60 Hz, grounded circuit, cTUVus and CE

TECHNICAL DATA

Item number	WL24476
Model	MFR-PS1100
Manufacturer	Oki

Manufacturer item number	MFR-PS1100
Product series	MFR series
Dimensions (WxDxH)	90 mm x 200 mm x 152.5 mm
Weight	2.3 kg
Voltage	100-240 V AC, grounded circuit
Frequency	50/60 Hz
Power consumption	70 W max.
Output power	Variable, 60 W max.
Output frequency	450 kHz
Heating method	Induction, SmartHeat
Connections	Single connection
Suitable tips	SxV soldering tips, CxV blade tips, SxP soldering cartridges, RxP rework cartridges, TxP tweezer cartridges, DxP desoldering cartridges, SSC soldering cartridges
Tip to ground resistance	Less than 2 ohm
Tip to ground potential	Less than 2 mV
Surface resistance	10 to the 5 up to 10 to the 9 ohm
Ground detection	Permanent
Temperature stability	+/- 1.1 °C in still air
Tip temperature accuracy	Meets or exceeds IPC J-STD-001
Mains cord length	1.83 m, 18/3 SJT
Ambient operating temperature	10-40 °C
Max. case temperature	55 °C
Certification	cTUVus, CE
Order unit	Piece

APPLICATIONS

Setting up a single channel soldering bench in production, laboratory or service, replacing a failed unit, and extending an existing workplace that already holds MFR handpieces.

COMPATIBILITY AND SCOPE OF DELIVERY

The unit drives the MFR-H1-SC2 and MFR-H2-ST2 handpieces and the MFR-H4-TW tweezers, and hot air desoldering is available with the MX-UK5 upgrade kit. Delivery covers the power unit without handpiece, stand or cartridges.

Permanent ground detection and tip to ground resistance below 2 ohm make the unit suitable for ESD protected areas to IEC 61340-5-1.