



MFR-1300 Desoldering System

The MFR-1300 Series Desoldering and Rework Systems are the next generation of standalone desoldering equipment from OK International.

The new power supply features an internal pump providing 0.7 bar of vacuum suction force combined with Smartheat® technology that makes through-hole desoldering easy and keeps your products safe from board damage.

The new hand-piece has been designed to be used in two configurations. The MFR-H5-DS can be used as a pencil or as a pistol style by simply adding a clip on grip supplied with the hand-piece.

Solder collection capability have been increased by 40% from previous MFR desolder systems and the innovative replaceable collection chamber enables reduced downtime and quicker changeover.

Key Features

- Self-contained powerful pump
- 2 in 1 ergonomic and flexible hand-piece: pencil or pistol
- Collection chamber with 40% increased capacity*
- Innovative collection chamber for quick and easy change
- Dual switchable output
- Powered by Smartheat® Technology
- Compatible with previous MFR Desolder range

* compared to the previous MFR-HDS Desolder Hand-piece



Pencil



Pistol



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MFR-1300 Series Desoldering Systems

SYSTEM CONFIGURATIONS

Part No	Description
MFR-1350	Dual Switchable Output Desolder System with Internal Pump
MFR-1351	Dual Switchable Output Solder / Desolder System with Internal Pump

	MFR-PS1300 Power Supply	MFR-H5-DS Desoldering Hand-piece	MFR-H1-SC Soldering Hand-piece	MFR-WSDSU Universal Desolder Workstand	WS1 Universal Solder Workstand
MFR-1350	✓	✓		✓	
MFR-1351	✓	✓	✓	✓	✓



MFR-1350 Desolder System



MFR-1351 Desolder & Solder System

SYSTEM COMPONENTS

Part No.	Description
MFR-PS1300	Switched Dual Output Power Supply with Internal Pump
MFR-H5-DS	Desolder Hand-piece, with selectable grip, and cord
MFR-H1-SC	Solder Cartridge Hand-piece, with cord
MFR-WSDSU	Universal Workstand for Desolder Hand-piece
WS1	Universal Workstand for Solder Hand-piece



MFR-H5-DS - Pencil configuration



Grip supplied with MFR-H5-DS

ACCESSORIES

Part No.	Description
MFR-DC10	Disposable Collection Chamber for MFR-H5-DS (pack of 10)
MFR-DC100	Disposable Collection Chamber for MFR-H5-DS (pack of 100)
MFR-PG	Replacement Pistol grip for MFR-H5-DS Hand-piece
MFR-HDCA	Coil assembly for MFR Desolder Hand-piece - <i>Replaceable consumable part</i>
MFR-WSDSCB	Desolder workstand cradle
AC-SK1	Seal Kit Collection Chamber (pack of 2)
AC-VP	Vacuum Port
AC-VL	ESD Air Hose
AC-TC	Desoldering Tip Cleaner
AC-Y10	Yellow sponge for WS1 Workstand (pack of 10)
AC-BP	Brass pad for WS1 Workstand (pack of 10)
AC-VPF	Vacuum Port Filter (pack of 5)



Grip easily clip-on to pencil



MFR-H5-DS - Pistol configuration

CARTRIDGES

Hand-piece	Cartridges
MFR-H5-DS	DxP Series Desoldering Cartridges
MFR-H1-SC	SxP and RxP Series Soldering and Rework Cartridges



MFR-DC10 - Collection Chamber



Fast collection chamber replacement

TECHNICAL SPECIFICATIONS

MFR-1350/51	
Input Line Voltage	100-240 VAC
Input Line Frequency	50/60Hz
Power Consumption	110 Watts max. (Power Supply MFR-PS1300)
Output Power	60 Watts Max (RF SmartHeat® Power)
Output Frequency	450 KHz
Idle Tip temperature stability	+/- 1.1°C (2°F) in still air
Ambient Operating Temperature	10 - 40°C (50 - 104°F)
Maximum Enclosure Temperature	55°C (131°F)
Noise level	< 55 dB
Vacuum suction force	0.7 bar (21in Hg at Vacuum pump at sea level)
Power Cord (3-wire)	183cm (72")
Desolder Hand-piece cable length	152 cm (60"), burn proof, ESD safe
Solder Hand-piece cable length	122 cm (48"), burn proof, ESD safe
Hand piece connector	8 pin power connector
Tip to ground Potential	<2mV
Tip to ground resistance	<2 Ohms
Surface Resistivity	10 ⁵ – 10 ⁹ Ohms
Approvals	cTUVus, CE
Dimensions (approx.) W x D x H	170mm x 200mm x 152.5mm (7" x 8" x 6")
Workstand dimensions	100mm x 200mm x 100mm (4" x 8" x 4")



MFR-HDCA Replacement coil assembly



Dual Switchable Output

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Authorized Distributor

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