



American Hakko Products, Inc.

# PRODUCT BULLETIN

**Bulletin No:** PB324

**Issue Date:** 12-16-2011

**Available:** 1-18-2012

**Product Description:**

Hakko FM-2031 Nitrogen Compatible Heavy Duty Soldering Iron

**Part No:**

FM2031-01, FM2031-02, B3121, B3123, B3124, B3561



**Specification:**

Hand Piece Specifications	
Model	FM-2031
Part No.	FM2031-xx
Power Consumption	140W 24VAC
Tip-to-Ground	< 2 Ω
Leak Voltage	< 2 mV
Length (w/o cord)	231 mm (9.1 in.)
Weight (w/o cord)	47 g (0.1 lb)
Reach	1.3 m (4.3 ft)
Tips	T22 Series (Not Included)
Nozzle Assy.	Varies by tip (Not included)

FM2031-02 Contents	
Part No.	Description
FM2031-01	FM-2031 Handpiece
FH200-01	Sleep Holder
B3253	Connecting Cable
B2300	Heat Resistant Pad

**IMPORTANT:**

The FM-2031 can only be attached to the FM-203 D port, or FM-206 CH2 or CH3 ports. If you attach the iron to any other port, a grip error or connector error (C-E) will occur.

**Comment :**

The Hakko FM-2031 Nitrogen Compatible Heavy Duty Soldering Iron is a new soldering iron handpiece that can be used with the Hakko FM-203' Soldering Station and Hakko FM-206 High Performance 3-port Rework System.

The FM-2031 provides a higher mass tip with double the power of conventional T17 tips making this iron the ideal solution where soldering is difficult due to heavy ground planes or high heat sink applications.

The FM-2031 uses T22 Series Tips just like the FM-2030 handpiece. Nozzle assemblies for nitrogen gas are used to envelop the tip and solder joint in an inert atmosphere to reduce oxidation, improve wetting, and allow for lower soldering temperatures.

\*NOTE: FM-203 Stations with serial numbers before 0220311002129 will require the purchase of an upgrade. Due to the upgrade process requirements, upgrades cannot be performed in the field. Stations must be returned to American Hakko under an RMA for this upgrade, at which time the upgrade (PN: FM203-UPGR) can be purchased with the FM2031-02 kit and your selection of T22 tips.



5 Commonwealth Ave  
Woburn, MA 01801  
Phone 781-665-1400  
Toll Free 1-800-517-8431

Visit us at [www.TestEquipmentDepot.com](http://www.TestEquipmentDepot.com)