







The Models CM 340 and CM 440 magnetron power supplies are compact, air-cooled power supplies designed to drive magnetrons having a maximum power of 1.0 and 1.2 kW

The CM 340 is able to power and control most magnetron models within the nominal range of 900 W to 1 kW at 2.45 GHz while the CM 440 power supply provides the same performance for magnetrons with a nominal maximum power of 1.2 kW at 2.45 GHz.

The compact and innovative design of these units make them highly competitive alternatives to traditional, transformer based, power supplies. The output power can be adjusted from near zero up to 100% using an external analog signal.

The CM 440 is designed to power the MKS, Alter® TMx12 or TI012 microwave magnetron heads, while the smaller CM 340 power supply is suitable for TMx09. However, both models may be used to power electrically compatible microwave magnetron heads from other

The CM 340 and CM 440 independently monitor and control the operating status of the magnetron, providing power to drive the correct pre-heating of the filament and switching off the output in the event of an alarm condition such as over current or over voltage of the magnetron.

Industry standard electrical terminal blocks with separate terminals for all electrical functions provide simple and easy set up. The high voltage output, carrying the anodic current, is available with an HV connecter or, upon request, with a preassembled HV wire.

The CM 340 and CM 440 are enclosed in a lightweight and compact aluminum housing designed to be easily mounted inside an electrical enclosure. External interlock contacts are provided to allow for the use of industry standard internal safety lockout procedures typical of systems housing high powered supplies.

Features & Benefits

- · Compact and lightweight form factor makes it ideal for installations where the space saving is critical
- High efficiency power supply design requiring only air cooling simplifies installation and reduces cost
- · Medium output ripple makes it suitable for industrial heating applications
- · System designed for easy assembly inside an electrical enclosure, with access to the terminal block on the bottom of the unit and output on the top

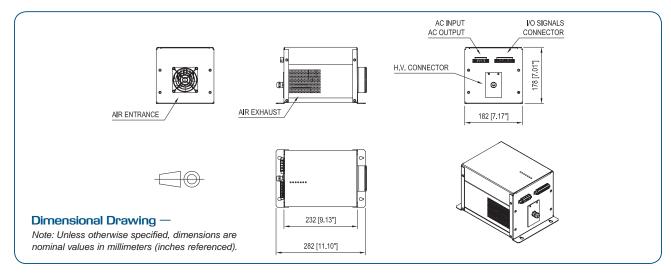






Specifications and Ordering Information

Model Type	CM340	CM440
Output Power	1450 W	1700 W
Input Voltage (nominal)	230 VAC	230 VAC
Input Voltage Range	190 to 265 VAC	190 to 265 VAC
Line Frequency	50/60 Hz	50/60 Hz
Efficiency	90%	90%
Output Current	350 mA	420 mA
Alarm Management	In the event of an alarm condition, the alarm contact opens, the output power is switched off and the alarm contact is latched. A reset procedure is required to turn the unit back on.	In the event of an alarm condition, the alarm contact opens, the output power is switched off and the alarm contact is latched. A reset procedure is required to turn the unit back on.
Dimensions		
Width	180 mm (7.1 in.)	180 mm (7.1 in.)
Height, total (mm)	178 mm (7.1 in.)	178 mm (7.1 in.)
Length, total (mm)	280 mm (11 in.)	280 mm (11 in.)
Weight	5.6 kg / 12.4 lbs.	5.6 kg / 12.4 lbs.
Cooling	Forced air, 80 m ³ /h	Forced air, 80 m³/h
Ambient Operating Temperature (max)	40° C / 104° F	40° C / 104° F
Compliance	CE	CE
Preferred Microwave Magnetron Head	TMx09 (Closed head, waveguide size WR340)	TMx12 (Closed head, waveguide size WR340) TI012 (Integral Head with ISO launcher, waveguide size WR340)
	Other manufacturers electrically compatible heads	Other manufacturers electrically compatible heads



Model and Version

CM 440F Version 1	for 1200 W magnetron, HV connector	
CM 340F Version 1	for 1000 W magnetron, HV connector	
CM 440F Version 0	for 1200 W magnetron, HV preassembled wire (3 m length)	
CM 340F Version 0	for 1000 W magnetron, HV preassembled wire (3 m length)	



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