



Ken Eckert &lt;eckertkp@gmail.com&gt;

**[HP-Agilent-Keysight-equipment] OT: schematic for Metcal MFR-PS1300**

3 messages

**Jeff AC0C** <keepwalking188@ac0c.com>  
Reply-To: HP-Agilent-Keysight-equipment@groups.io  
To: HP-Agilent-Keysight-equipment@groups.io

Mon, Aug 16, 2021 at 10:00 PM

My beloved Metcal system has died. Fortunately there is no test gear under repair on the bench at the moment. Hoping someone in this group may have had repair work done on their Metcal system.

If you have a line on where I can find a schematic for this unit, kindly contact me off list. Tks!

73/jeff/ac0c  
alpha-charlie-zero-charlie  
[www.ac0c.com](http://www.ac0c.com)

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[\[eckertkp@gmail.com\]](mailto:eckertkp@gmail.com)  
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**Mark Goldberg** <marklgoldberg@gmail.com>  
Reply-To: HP-Agilent-Keysight-equipment@groups.io  
To: HP-Agilent-Keysight-equipment@groups.io, Jeff Blaine <keepwalking188@ac0c.com>

Mon, Aug 16, 2021 at 11:50 PM

The only available Metcal schematic I know of is one I believe is reverse engineered:

<http://colinoflynn.com/wp-content/uploads/2012/05/MX-500P-11.pdf>

Maybe yours is similar.

73,

Mark  
W7MLG

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**Froggie the Gremlin** <jonpaul@ix.netcom.com>  
Reply-To: HP-Agilent-Keysight-equipment@groups.io  
To: HP-Agilent-Keysight-equipment@groups.io

Tue, Aug 17, 2021 at 5:56 AM

Bonjour, I am the designer of Metcal SP-200 500 kHz resonant in ~ 1992.  
I am lucky to have 3 of the SP-200 PSU and a variety of handles and tips. I never had one fail. The 1992 Metcal and my ancient Hakko 936 are my main tools.

First Suspect is the cable/connector and the PSU transistor.  
Is your Metcal the 13.5 MHz ISO freq or the 500 kHz version?  
I may have the 500 kHz schematic. I have no info on the 13.5 MHz units.  
Its a linear DC PSU and resonant converter, to drive ~ 500 mA constant current thru the tip.

Bon Chance,

Jon



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