



SmartClock Mode

□ Ordinaryman1971
Frequent Contributor

Re: HP/Symmetricom 58503A/Z3805A
GPS Time and Frequency Reference
Receiver Repair x2

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« **Reply #1 on:** August 27, 2020, 07:24:27 pm »



Country:

<u>...</u> Q

☐ jfphp

Regular Contributor



Posts: 225 💂 🖂 🗘

After several tries I've got the response from the first unit:

Sent: \*IDN?

reply: -113,"Undefined header"

Sent: \*IDN?

reply: HEWLETT-PACKARD,58503A,0,3704-A

so... it's missing serial.....

Corupted FW?

« Last Edit: August 28, 2020, 03:18:58 am by Ordinaryman1971 »

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Re: HP/Symmetricom 58503A/Z3805A **GPS Time and Frequency Reference** 

Receiver Repair x2

« Reply #2 on: August 28, 2020, 02:08:57 pm »

Are you sure that this old HPIB box knows the guery IDN ? Most of my HP instruments don't respond to this question.

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☐ Ordinaryman1971

Frequent Contributor



Posts: 309 Country: <u></u> Q

Re: HP/Symmetricom 58503A/Z3805A **GPS Time and Frequency Reference** 

Receiver Repair x2

« Reply #3 on: August 28, 2020, 04:02:37 pm »

reply: HEWLETT-PACKARD,58503A,0,3704-A

reply: HEWLETT-PACKARD, Z3805A, 3542A0xxxx, 3543B-A

Communication is done over RS232 not GPIB, it also uses null modem cable.

You can see the response I hope... after several tries I've got the response from either machine.

So, yes it does work and it's a valid query.

I've started disassembly of one of the oscillators. Not sure how to remove the insulation from the inside...

It's very hard from aging... working on it.

So, the oscillators are marked as :10811-60212 one of them is LM9611, the other one LM9829. I guess those are the manufacturing dates.

« Last Edit: August 29, 2020, 03:31:51 pm by Ordinaryman1971 »

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