

# LeCroy 7200/A Modular Oscilloscope

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The color 7200A with dual 7242B-F2 with options L1 and SCSI support.



The 7200 with dual 7242A's installed.

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## LeCroy 7200/A Modular Oscilloscope

### Basic Specifications

The 7200/A Modular Oscilloscope has the following basic specifications:

Plug in	w/7242	w/7242A	w/7242B	w/ 7234	w/7262
fBw, 50W input	400MHz	500MHz	500MHz	500MHz	4GHz
fBw, 1MW input	250MHz	250MHz	250MHz	250MHz	
Single Shot Sample Rate	1GS/S (dual)	1GS/S (dual)	2GS/S (Single); 1GS/S (dual)	200MS/S (Single & 4 Channel) 40MS/S	40MS/S
Repetitive Sample Rate	20GS/S	20GS/S	20GS/S	20GS/S	100GS/S
Number of Channels	2 (4/Mainframe)	2 (4/Mainframe)	2 (4/Mainframe)	4 (8/Mainframe)	2 (4/Mainframe)
Acquisition Memory	50k/Channel	50k/Channel	200k/Channel	50k /4 Ch; 100k/2Ch	20k/Ch
Optional Memory	NA	NA	1M/CH	200k/4CH; 500K/2CH;	1M/1Ch
N/A Triggers Per Sweep	1-4,000	1-4,000	1-4,000	1-4,000	
Reference Trace Memory (16 bits)			400k	400k	400k
Vert Resolution	8 bits	8 bits	8 bits	8 bits	10 bits
Enhanced Resolution	11 (13) bits	11 (13) bits	11 (13) bits	11 (13) bits	
Memory Storage	HDD & Floppy	HDD & Floppy	HDD & Floppy	HDD & Floppy	HDD & Floppy
Mask Parameter Testing	Yes & Custom	Yes & Custom	Yes & Custom	Yes & Custom	Yes & Custom
DSP, Math, Average, FFT	Yes	Yes	Yes	Yes	Yes
Instrument Control (ICL)	Yes	Yes	Yes	Yes	Yes

This information was supplied to me from LeCroy and in-part from the manuals. The 7200/A mainframe can hold up to two of the above plug-ins.

Normally I am seeing the 7242/A/B modules for sale. The main difference in the various versions is the amount of memory available. The base and rev. A modules will run in the 7200 mainframes, but not in the 7200A unless modifications are made to them. This change has been included in this document.

The 7242s have a 5mV/div to 1V/div input sensitivity. The maximum input voltage is +/-5V DC into a 50W input, or 5Vrms.

Because the Model 7200A-P12 passive probes are no longer available, LeCroy recommends using the PP002. This is a 350MHz 10M probe. I think the cost is about \$80 each. I tried a

couple of these and find that I am not quite able to compensate the probe.

- [BackGround](#)
- [LeCroy Setup & Diagnostic Software](#)
  - [Restoring my 7200](#)
  - [Restoring my 7200A](#)
  - [The 7242A/B Plugins](#)
  - [The 7262 4GHz Plugins](#)
- [The 7291 & Clone \(500ps delay line\)](#)
  - [Testing the 7200](#)
- [The 7200A on Ethernet, the EtherPrint 1000](#)
  - [7200 Man Pages](#)
  - [LabView Interface Software](#)
  - [The 7200A in Operation](#)
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Thank you LeCroy for supplying the manuals in PDF format for the 7200!!

- [Operators Manual](#)
- [Programmers Manual](#)