

# The Good Giant

## Tektronix DSA 602A Oscilloscope

A Great Milestone in Digital Oscilloscopes

Giovanni Becattini

## References

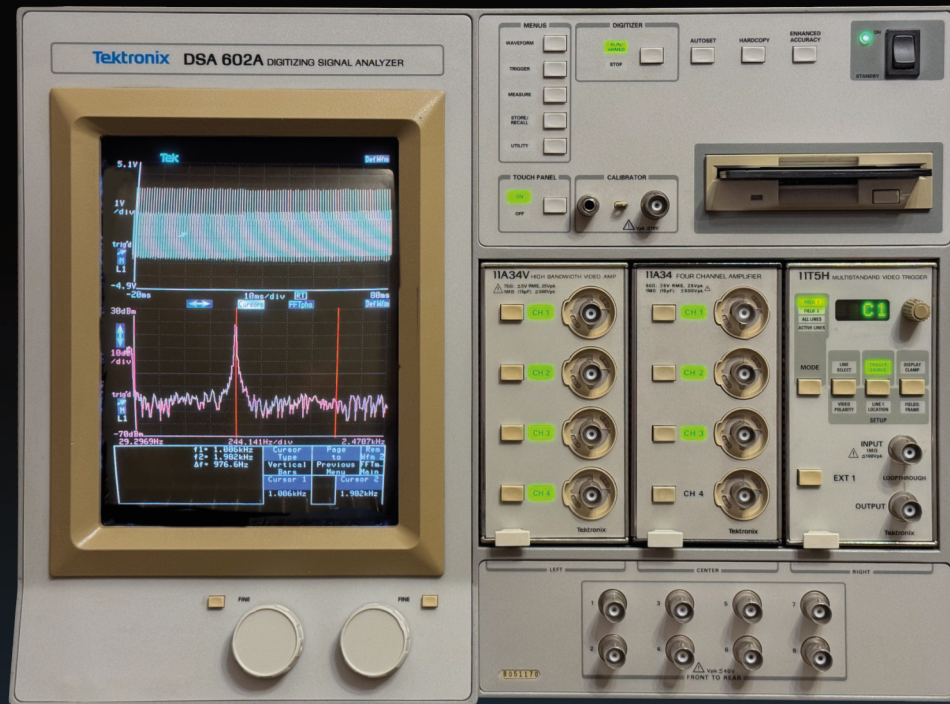
The following references are used in this book:

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- [7KS] Tektronix 7000 Series – Elektor Books
- [TREG] Tektronix Oscilloscopes Restoration Guide – Elektor Books
- [TGHP] The Great Hewlett-Packard – free download from [www.quacktech.it](http://www.quacktech.it)
- [VRE] Vintage Radio Equipment – Elektor Book
- [MAC] Apple Macintosh, , History, Engineering, and Restoration – Elektor Books
- [QT602] The Good Giant – Tektronix DSA 602A Oscilloscope – Quacktech
- [QT11KP] The Last Plug-ins – Tektronix 11000-Series Plug-ins – Quacktech
- [SCLJ] Some Classical Instrument – coming soon
- [QTCOL] Collins Classics – KWM-2, 30L-1 and 51S-1: History, Engineering, and Restoration – Quacktech Editions
- [QT324] Two Giants and a Shorty – Tektronix 323/324 - Quacktech

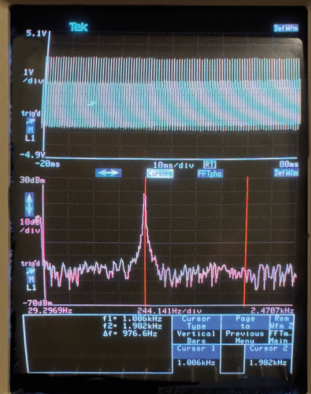
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# Table of Content

<b>The 11000 Saga on Our Pages</b>	<b>7</b>	A14 I/O Board .....	70
<b>Introduction</b>	<b>8</b>	A15 MMU Board .....	72
Digitizing Signal Analyzers .....	13	A16 Display Controller Board .....	74
DSA-Series Main Specifications .....	14	A17 Main Processor Board .....	76
A Beautiful Construction.....	16	A18 Battery-Backup Memory Board .....	78
<b>Innovations</b>	<b>18</b>	A19 Digitizer Board .....	80
Innovation #1 Ultra Fast Digitizers.....	21	A20 Digitizer I/O Board.....	82
Innovation #2 TriStar DSP.....	23	A32 Floppy Disc Controller Board .....	84
Innovation #3 Functions And User Interface.....	24	Bottom View.....	86
Fast Fourier Transform.....	26	B-Side .....	88
Real Spectrum Analyzers .....	29	Manuals.....	91
Flexible Triggering .....	30	Library of Vintage Electronics .....	92
New Functions .....	32	Quacktech Print-On-Demand Art Books .....	93
A Floppy In A Scope.....	40	<b>Twin Pulse Test</b>	<b>94</b>
<b>Parallel Lives</b>	<b>42</b>	<b>Comments and Notes on Margins</b>	<b>95</b>
<b>Architecture</b>	<b>44</b>	Not a Child of Love.....	96
Almost Totally New .....	46	The CRT doesn't Help .....	98
Functional Block Diagram .....	48	Estimators .....	100
Physical Block Diagram.....	52	Conclusions - the Good Giant .....	102
Boards .....	54	<b>About Us</b>	<b>104</b>
Like A Car Hood.....	56	Acknowledgments .....	105
The New Digitizers.....	58		
Waveform Processor.....	64		
Plug-In Boards Rack.....	68		



Tektronix DSA 602A DIGITIZING SIGNAL ANALYZER



MEASUREMENTS: WAVEFORMS, TRIGGER, MEASURE, RANGE, UTILITY

DIGITIZER: STOP, AUTOSET, HARD COPY, ENHANCED ACCURACY

TOUCH PANEL: ON, OFF

CALIBRATOR

STANDBY

11A34V HIGH BANDWIDTH VIDEO AMP: CH1, CH2, CH3, CH4

11A34 FOUR CHANNEL AMPLIFIER: CH1, CH2, CH3, CH4

11T5H MULTISTANDARD VIDEO TRIGGER: MODE, INPUT CLAMP, TRIGGER, EXT 1, LOOPTHROUGH, OUTPUT

LEFT: 1, 2, 3, 4

CENTER: 5, 6, 7, 8

RIGHT: 9, 10, 11, 12

Virt-Copy FRONT TO REAR

# A True Giant

*The Tektronix DSA 602A is the largest and most complex instrument I have ever worked with—an absolute giant in every respect. It was the biggest, the heaviest, the most intricate, and, with an original price well over today's \$100,000, certainly one of the most expensive oscilloscopes of its time.*

*With real-time sampling rates up to 2 GSa/s, the DSA 600 models were the flagship instruments of the 11000 Series in the early 1990s. They employed a dedicated Digital Signal Processor (DSP) to perform waveform analysis at unprecedented speeds. Among their most advanced capabilities were real-time FFT, signal de-jittering, and fast waveform averaging at over 180 waveforms per second.*

*For engineers and researchers requiring state-of-the-art performance in single-shot acquisition and real-time signal processing—and with a budget to match—the DSA Series offered, and genuinely delivered, a cutting-edge solution.*

**Giovanni “Gianni” Becattini**  
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*To my wife  
and my family*