

Model	Arbitrary Waveform Generators				
	291	292	294	396	397
Output channels	1	2	4	1	2
Maximum amplitude (into 50 Ω)	10 Vpp	10 Vpp	10 Vpp	10 Vpp	10 Vpp
Standard Waveforms					
Sine maximum frequency	40 MHz	40 MHz	40 MHz	50 MHz	50 MHz
Square maximum frequency	80 MHz	80 MHz	80 MHz	80 MHz	80 MHz
Pulse maximum frequency	10 MHz	10 MHz	10 MHz	10 MHz	10 MHz
Pulses	Pulse Train	Pulse Train	Pulse Train	No	No
Noise generator	No	No	No	Yes	Yes
Frequency accuracy	10 ppm	10 ppm	10 ppm	1 ppm	1 ppm
Arbitrary Waveforms					
Maximum sampling frequency	100 MS/s	100 MS/s	100 MS/s	125 MS/s	125 MS/s
Waveform length (points)	1 M	1 M	1 M	16 to 4 M	16 to 4 M
Waveform memory	Removable compact FLASH card	Removable compact FLASH card	Removable compact FLASH card	1 MByte memory	4 MByte memory
Vertical resolution	12 bit	12 bit	12 bit	14 bits	14 bits
Waveform sequencing (max. # of segments)	1024	1024	1024	4096	4096
Looping	Yes	Yes	Yes	Yes	Yes
Operating Modes					
Triggered	Yes	Yes	Yes	Yes	Yes
Gated	Yes	Yes	Yes	Yes	Yes
Burst	Yes	Yes	Yes	Yes	Yes
Frequency sweep	Yes	Yes	Yes	Yes	Yes
Selectable output filter	40 MHz Elliptic, 20 MHz Bessel, none	40 MHz Elliptic, 20 MHz Bessel, none	40 MHz Elliptic, 20 MHz Bessel, none	50 MHz, 25 MHz, both or none	50 MHz, 25 MHz, both or none
Modulation source	External do-100 kHz	External do-100 kHz	External do-100 kHz	Internal do-200 kHz	Internal do-200 kHz
Modulation	AM, SCM, Tone	AM, SCM, Tone	AM, SCM, Tone	AM, PM, PSK, Ramped FSK	AM, PM, PSK, Ramped FSK
Signal summing	Yes	Yes	Yes	No	No
VCD/VCA input	Yes	Yes	Yes	No	No
Phase lock to external analog signal	Yes	Yes	Yes	Yes	Yes
Multi-unit phase lock	Yes	Yes	Yes	Yes	Yes
General					
GPIB interface	Yes	Yes	Yes	Yes	Yes
RS-232 interface (conventional mode)	Yes	Yes	Yes	Yes	Yes
USB	Yes	Yes	Yes	Yes	Yes
Ethernet	No	No	No	No	Yes
Waveform software	Waveform Mgr. Plus	Waveform Mgr. Plus	Waveform Mgr. Plus	ArbExplorer software	ArbExplorer software
Recommended replacement for obsolete models				Wavetek 395	

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Printed in U.S.A. 4/2006 2523531 D-EM-N Rev B



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