

Parameter Measurement, Analysis, and Math Capabilities

WaveRunner 6000, WavePro 7000, WaveMaster

STD=Standard

XMATH = Advanced Math Package

XDEV = Advanced Customization Package

JTA2 = Jitter and Timing Analysis Package

XMAP = Master Analysis Package (XMATH + XDEV + JTA2)

XWAV = Intermediate Math Package -- WaveRunner 6000 only

XVAP = Value Analysis Package (XWAV+ JTA2) -- WaveRunner 6000 only

Note: List does not include features added by PMA2, DDM2, SDM, DFP2, and other measurement toolsets

Waverunner 2

STD=Standard

EMM = Extended Math & Measurement

WAVA = Wave Analyzer

JTA = Jitter and Timing Analysis

JTWA = Jitter and Timing Analysis with WAVA

PMA1 = PowerMeasure Analysis Software

WaveRunner 6000, WavePro 7000, WaveMaster

STD XMATH XDEV JTA2 XMAP XWAV XVAP

Waverunner 2

STD	EMM	WAVA	JTA	JTWA
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Parameters

amplitude	X	X			X	X	X
area	X	X			X	X	X
base	X	X			X	X	X
cycles	X	X			X	X	X
cyclic mean	X	X			X	X	X
cyclic median	X	X			X	X	X
cyclic RMS	X	X			X	X	X
cyclic std. dev.	X	X			X	X	X
data	X	X			X	X	X
delay	X	X			X	X	X
Δ delay	X	X			X	X	X
time at level (abs)	X	X			X	X	X
time at level (%)	X	X			X	X	X
Δ trig time	X	X			X	X	X
Δ clock to data+							
Δ clock to data-							
duration	X	X			X	X	X
duty cycle	X	X			X	X	X
fall time (80-20%)	X	X			X	X	X
fall time (10-90%)	X	X			X	X	X
fall at level (%)	X	X			X	X	X
fall at level (abs)	X	X			X	X	X
first	X	X			X	X	X
frequency	X	X			X	X	X
last	X	X			X	X	X
maximum	X	X			X	X	X
mean	X	X			X	X	X
median	X	X			X	X	X
minimum	X	X			X	X	X
+ overshoot	X	X			X	X	X
- overshoot	X	X			X	X	X
period	X	X			X	X	X
peak-to-peak	X	X			X	X	X
phase	X	X			X	X	X
points	X	X			X	X	X
risetime (20-80%)	X	X			X	X	X
risetime (10-90%)	X	X			X	X	X
rise at level (%)	X	X			X	X	X
rise at level (abs)	X	X			X	X	X
RMS	X	X			X	X	X
std. dev.	X	X			X	X	X
time at level (%)	X	X			X	X	X
time at level (abs)	X	X			X	X	X
top	X	X			X	X	X
width	X	X			X	X	X
width negative	X	X			X	X	X
x at max	X	X			X	X	X
x at min	X	X			X	X	X
period at level				X	X		X
width at level				X	X		X
edge at level				X	X		X
duty at level				X	X		X
TIE at level				X	X		X
frequency at level				X	X		X
scripting			X		X		
Excel			X		X		
Matlab	limited	limited	X		X	limited	
MathCAD			X		X		
narrow-band phase		X			X		
narrow-band power		X			X		
dv/dt				X	X		X
half period				X	X		X
setup				X	X		X
skew				X	X		X
_ period at level				X	X		X
_ width at level				X	X		X

[illegible]

Waverunner 2

STD	EMM	WAVA	JTA	JTWA
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[illegible]

50k	50k	1 M	50k	1 M
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
		X		X
		X		X
		X		X
		X		X
		X		X

[illegible]
