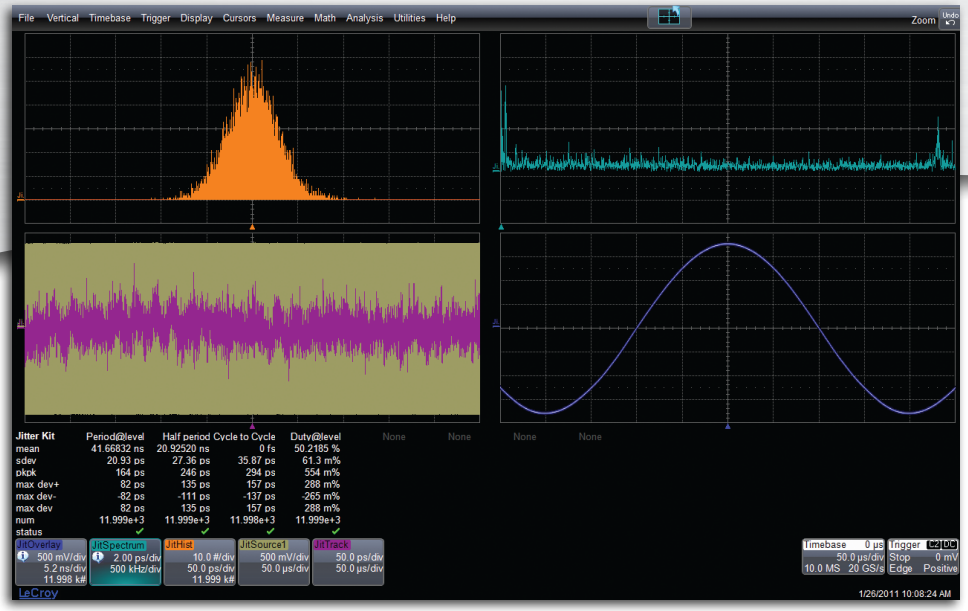
LeCroy

JITKIT Clock and Clock-Data Jitter Analysis Package



JITKIT makes it easy to understand various jitter behaviors for Clock or Clock-Data signals with jitter statistics and four different intuitive jitter views.

Key Features

- **Four views of jitter – Statistical, Time, Spectral, and Overlay**
- **Quick and easy time correlation displays of jitter with other channels or math traces**
- **Overlay view provides intuitive and accurate view of jitter**
- **Direct display of jitter measurement values – max deviation + or –, worst case, peak-peak, standard deviation**
- **Clock or Clock-Data jitter measurements**
- **More than 25 measurement parameters supported**

Fast and Easy Validation

Validating system jitter performance and analyzing systems with high jitter levels comprises a significant portion of a system engineer's test and validation time. JITKIT makes it simple and easy to understand the basic system jitter performance of clock signals and clock-data activities, including period, half period, cycle-cycle, skew, amplitude, differential voltage crossing, slew rate, and a wide variety of other common jitter measurements.

Direct Display of Jitter Values

Any measurement parameter set up from within the JITKIT user interface will have data presented in a jitter format that includes a direct readout of the max deviation positive and negative, worst case deviation, peak-peak deviation, and standard deviation. Up to eight measurement parameters with jitter statistics may be viewed at one time.

Four Views of Jitter Speeds Debug and Analysis

Up to four views of jitter statistics for any one jitter measurement parameter can be plotted simultaneously. It is easy to quickly re-define the source jitter parameter for all four jitter views, making validation and analysis a simple matter. Source(s) for the jitter measurements and other time-correlated causal signals can be simultaneously viewed with the jitter views to quickly understand the root cause of the high jitter.

SPECIFICATIONS AND ORDERING INFORMATION

1. JitSource(s) replicates the acquired channel. This waveform may be easily zoomed in a time-correlated way with the JitTrack

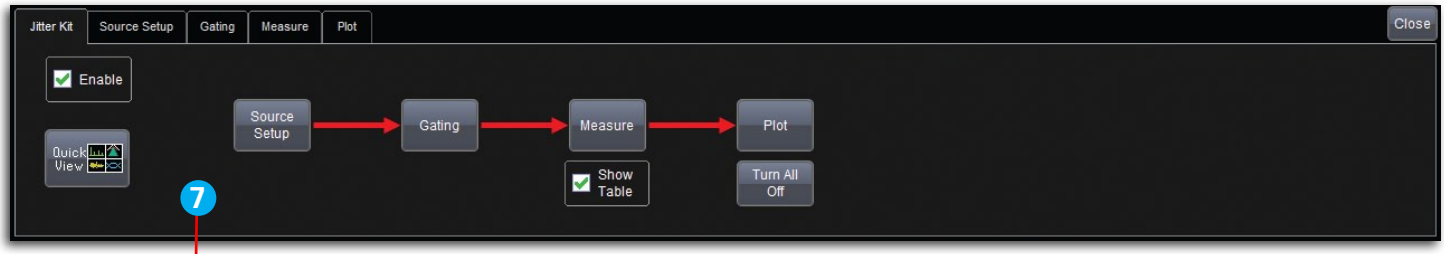
2. JitTrack provides a time-domain (jitter measurement value vs. time) view of the jitter that is time-correlated with any other acquired waveform (such as JitSource), or other causal waveforms (such as power supply lines)

3. JitHistogram provides a statistical-domain view of the Jitter measurement data

4. JitSpectrum provides a frequency-domain view of the jitter measurement

5. JitOverlay provides a visually intuitive view of the jitter behavior

6. Jitter Parameter Statistics provide a direct readout of jitter values



7. JITKIT user interface makes setup easy

Specifications

Measurement Parameters	**Horizontal:** Δ time, Δ period, cycle-cycle, n cycle, duty cycle, frequency, period, time interval error, width, hold time, setup time, skew, width **Vertical:** amplitude, base, maximum, mean, minimum, peak-peak, top **Pulse:** area, base, fall time, overshoot – (preshoot), overshoot +, rise time, slew rate **Other:** differential voltage crossing point
Measurement Level Setup	For each JitSource, set level in % or amplitude, set slope Apply globally (to all parameters) or individually (to each parameter)
Measurement Gating	Apply measurement gates by Divisions (0 to 10 max), by Number (0 to 2,000,000,000), or by Waveform (based on qualifying waveform state)
Jitter Plots/Views	JitSource1, JitSource2, JitHistogram, JitTrack, JitSpectrum, JitOverlay Apply some or all plots/views to any selected measurement parameter

Ordering Information

Product Description	Product Code
JITKIT Jitter Analysis Package for WaveRunner® Xi/Xi-A Oscilloscopes	WRXi-JITKIT
JITKIT Jitter Analysis Package for WaveRunner® 6 Zi Oscilloscopes	WR6Zi-JITKIT
JITKIT Jitter Analysis Package for WavePro® 7 Zi-A Oscilloscopes	WPZi-JITKIT
JITKIT Jitter Analysis Package for WaveMaster® 8 Zi-A Oscilloscopes	WM8Zi-JITKIT

Customer Service

LeCroy oscilloscopes and probes are designed, built, and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year.

This warranty includes:

- No charge for return shipping
- Long-term 7-year support
- Upgrade to latest software at no charge

LeCroy
1-800-5-LeCroy
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Local sales offices are located throughout the world.
Visit our website to find the most convenient location.

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