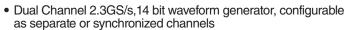
2.3GS/s Dual-Channel Arbitrary Waveform Generator



WAVEXCITER SERIES



MODEL WX2182B



- Inter-channel skew control from -3 ns to +3 ns with 10 ps resolution
- 1GHz sine and 500MHz square waves
- 16M waveform memory, 32M memory optional
- 3 selectable output paths:
 - 2Vp-p into 50Ω with 700MHz bandwidth, Differential DC output
 4Vp-p into 50Ω with 250MHz bandwidth, Differential DC output
- 4Vp-p into 50Ω with 350MHz bandwidth, Differential DC output -20 to +10 dBm into 50Ω with >1 GHz bandwidth, RF AC output
- AM, FM, FSK, PSK, ASK, Amplitude Hop, Frequency Hop, Chirp, (n)PSK, (n)QAM and Sweep modulations
- Powerful pulse/pattern composer for analog, digital and mixed signals, device tests

- Smart trigger allows: trigger hold-off, detect <=> pulse width, as well as wait-for-waveform-end or abort waveform and restart
- Advanced sequencing scenarios define stepping, looping, and conditional jumps of waveforms or waveform sequences, including fast dynamic segments and sequences hop connector control
- Two differential markers for each channel with programmable positions, width and levels
- Two instrument synchronization to form a four-channel system
- User friendly 4" color LCD display
- Remote control through LAN, USB and GPIB
- Store/recall capability on disk-on-key or 4GB internal memory
- LXI Class C compliant

The WX2182B, 2.3GS/s Dual Channel Arbitrary Waveform Generator, offers unrivaled performance, even when compared to instruments designed to generate fewer types of signals or higher sampling rates. Its affordable footprint saves space and cost without compromising bandwidth and signal integrity.

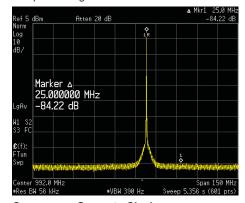
Universal Waveform Source

Aside from its natural ability to generate arbitrary shapes with waveform granularity of 1 point, the WX2182B can also be used as a full-featured standard, modulation or pulse generator to solve various applications. Equipped with 2.3GS/s 14-bit clock and 16M points (32M optional) memory, the WX2182B can generate literally any waveform, short or long, at frequencies up to 1GHz with 8 digits of resolution, resulting in the highest precision signal creation and regeneration without compromising signal fidelity or system integrity.

Signal Integrity and Purity

One of the most important requirement in today's testing and measurement applications is high signal quality. With a typical SSB phase noise of <-115dBc at 100MHz, and <-95dBc at 1GHz, at 10 kHz carrier offset and with exceptionally good SFDR of <-70dBc at 1GHz carrier, Tabor's

WX1282B unique platform delivers one of the best quality signals available on the market today, answering the ever-growing demand for clear and precise signals.



Common or Separate Clocks

Need a dual channel unit, a single channel unit... why choose? With the new WX2182B you can have it both ways. The WX2182B has two output channels, which can either operate independently, or synchronized to share the same sample clock source. As two separate channels, one has the advantage of having two separate instruments

in one box, with each having the ability to be programmed to output different function shapes, frequency, amplitude levels and/or to operate in different run modes. Alternatively, the advantage of having two synchronized channels with less than 10ps skew and skew control is very significant in applications that require an accurate and controlled phase between the two channels, which is ideal for many X-Y modes and I&Q output applications.

DC or AC Coupled Outputs

Have a requirement for different output paths in your lab? Great! The WX2182B offers two single or differential ended DC coupled and one single ended AC coupled output amplifiers: 2Vp-p into 50 ohms with 700MHz bandwidth, for applications demanding optimized transitions and aberrations; 4Vp-p into 50 ohms with 350MHz bandwidth, for applications demanding high voltage or -20 to +10 dBm path for applications requiring bandwidth and flatness for frequencies as high as 1 GHz.

Powerful Segmentation and Sequencing

Solving almost every complex application, powerful segmentation and sequencing produces a nearly endless variety of complex waveforms. The waveform memory can be divided into



2.3GS/s Dual-Channel Arbitrary Waveform Generator



Model WX2182B



multiple waveform segments and sequenced in user-selectable fashion to create complex waveforms that have repeatable segments, jump and nest, saving you precious memory space. The WX2182B also allows you to generate up to 1000 sequence scenarios and sequence between them to generate an even higher level of flexibility in waveform creation.

Dynamic Segment / Sequence Control

Working in the real-time world and need fast waveform switching? The WX2182B has a rear panel control designed specifically for that. Having the dynamic control feature, in effect, can serve as replacement of the sequence table where the real-time application can decide when and for how long a waveform will be generated. For much more complex applications, this same input may serve as a dynamic switch for complete sequences, creating real-life scenarios for real-time applications.

Pulse / Pattern Creation

Generating complex pulse trains has never been easier. The Pulse Composer is a powerful builtin tool that converts the WX2182B to a very sophisticated Pulse/Pattern Generator, allowing to create literally any complex pulse train / pattern, whether it's a single pulse, multi-level, linearpoints, initialization or preamble pattern definition, arbitrary bit design, user-defined or even standard random patterns with programmable resolution, so it doesn't matter if your application is radar communications, nanotechnology or serial bus testing, the pulse/pattern composer is the right tool for your application. Moreover, all the WX2182B advanced trigger modes are applicable, hence one can choose to use the "step" mode to advance every bit independently or the "once" mode to advance a complete data block in one trigger event, enabling even more applications, such as trigger, clock and data protocols.

Multi-Level and PAM(n) Signals

The WX2182B's pulse composer enables up to 2Gbit/s data rate generation, utilizing either NRZ and RZ modes (minimum transition times) which is ideal especially for multi level and PAM(n) applications such as, LED (light-emitting diodes), CAN, QPHY, FlexRay or simulating and testing Ethernet environment, whether it's 100Mbit/s (100BASE-T), the later gigabit Ethernet (1000BASE-T) or even the latest 802.3an standard (10GBASE-T), which utilizes PAM-16.

Smart Trigger

Until now, you've been forced to trigger on a specific event. Tabor's all-new SmarTrigger feature was designed to enhance the trigger capability and facilitate wider flexibility of a specific pulse event. It allows triggering on either a pulse having a larger pulse width than a programmed time value (<time), a pulse having a smaller pulse width than a programmed time value (>time), or even on a pulse having a pulse width between two limits (<>time). In addition, the SmarTrigger has a hold-off function, in which the output is held idle after the first trigger and starts a waveform cycle only with the first valid trigger after a hold-off interval has lapsed, allowing you to solve endless "negotiation" scenarios.

Programmable Deferential Markers

The WX2182B is equipped with two programmable deferential markers for each output channel. Differential simply means outstanding signal integrity for high frequencies, whereas the programmability allows you to set position, width, delay and amplitude for any required peripheral triggering need. While bench usage enables setting only one marker position, you can set multiple markers and program different marker properties for each transition instance remotely, allowing various triggering profiles.

4-Channel Capability

Need more than two channels to drive your application? With two WX2182B you can reach up to 4 synchronized channels system using a Master-Slave arrangement, allowing users to benefit from the same high quality performance even for multi-channel needs.

Automated External Calibration

Usually, calibration cycles in the industry range from one to three years, where instruments are sent to a service center, opened to allow access to trimmers, calibrated and certified for repeated usage. In contrast, the innovative advanced technology implemented in the WX2182B allows calibration from ANY interface, USB, GPIB or LAN. Calibration factors are stored in a flash memory eliminating the need to open instrument covers.

Easy to Use

Large and user-friendly 4" backlit color LCD display facilitates browsing though menus, updating parameters and displaying detailed and critical information for your waveform output. Combined with numeric keypad, ten quick-link function & run mode buttons, cursor position control and a dial, the front panel controls simplify the often complex operation of an arbitrary waveform generator.

High Speed Access

Access speed is an increasingly important requirement for test systems. Included with the instrument is a variety of interfaces including: Ethernet 10/100/1000, USB 2.0 and GPIB so one may select the interface most compatible to individual requirements. Using any of the external interfaces, controlling instrument functions and features as well as downloading waveforms and sequences is fast, time saving and easily tailored to every system, from simple benchtop instrumentation to fully-featured ATE system. IVI drivers and factory support speed-up system integration, minimizing time-to-market and significantly reducing system development costs.

Multiple Environments to Write Your Code Model WX2182B comes with a complete set of drivers, allowing you to write your application in various environments such as: Labview, CVI, C++, VB, and MATLAB. You may also link the supplied dll to other Windows based API's or, use low-level SCPI commands (Standard Commands for Programmable Instruments) to program the instrument, regardless if your application is written for Windows, Linux or Macintosh operating systems.

ArbConnection

The ArbConnection software provides you with full control of instrument functions, modes and features. ArbConnection is a powerful editorial tool that allows you to easily design any type of waveform. Whether it is the built in wave, pulse or Serial data composers, or the built in equation editor with which you can create your own exotic functions, ArbConnection makes virtually any application possible.





Model WX2182B



Service and Support

Beyond providing precision Test & Measurement instruments, Tabor Electronics provides unparalleled service and support, and is continuously finding new ways to bring added value to its customers.

Our after-sales services are comprehensive. They include all types of repair and calibration, and a single point of contact that you can turn to whenever you need assistance. As part of our extensive support, we offer individualized, personal attention Help Desk, both online and offline, via e-mail, phone or fax.

Tabor Electronics maintains a complete repair and calibration lab as well as a standards laboratory in Israel and USA. Service is also available at regional authorized repair/calibration facilities.

Contact Tabor Electronics for the address of service facilities nearest you.

Applications

For expert technical assistance with your specific needs and objectives, contact your local sales representative or our in-house applications engineers.

Manuals, Drivers, and Software Support Every instrument comes equipped with a dedicated manual, developer libraries, IVI drivers, and software. However, if your specific manual is lost or outdated, Tabor Electronics makes it possible to log-on to its Download Center and get the latest data "in a click".

Product Demonstrations

If your application requires that you evaluate an instrument before you purchase it, a hands-on demonstration can be arranged by contacting your local Tabor Electronics representative or the Sales Department at our Corporate Headquarters.

Five-year Warranty

Every instrument from the WaveXciter series comes with a five-year warranty. Each one has full test results, calibration certificate, and CD containing product's manual and complete software package. Our obligation under this warranty is to repair or replace any instrument or part thereof which, within five years after shipment, proves defective upon examination. To exercise this warranty, write or call your local Tabor representative, or contact Tabor Headquarters and you will be given prompt assistance and shipping instructions.



Model WX2182B



STANDARD WAVEFORMS

Type: Sine, triangle, square, ramp, pulse, sinc, exponential rise, exponential decay, gaussian,

noise and dc.

Frequency Range:

Sine 10kHz to 1GHz Square, Pulse 10kHz to 500MHz All others 10kHz to 250MHz

Waveform Control: All the waveform parameters

can be adjusted to specific requirements. The waveform is re-computed with each parameter change.

SINE

Start Phase Range: 0 to 360° Harmonics Distortion (typ.):

 1Vp-p^{DC}
 3Vp-p^{HV}
 0dBm AC

 5MHz to 100MHz
 <-44dBc</td>
 <-40dBc</td>
 <-40dBc</td>

 100MHz to 375MHz
 <-40dBc</td>
 <-40dBc</td>
 <-40dBc</td>

 375MHz to 500MHz
 <-35dBc⁽¹⁾
 <-35dBc⁽¹⁾
 <-20dBc</td>

 500MHz to 675MHz
 <-32dBc⁽¹⁾
 <-32dBc⁽¹⁾
 <-55dBc</td>

 675MHz to 1GHz
 <-70dBc⁽¹⁾
 <-70dBc</td>
 <-70dBc</td>

Non-Harmonics Distortion (typ.):

SSB Phase Noise (10kHz offset):

 1MHz Carrier
 <-120dBc/Hz</td>

 10MHz Carrier
 <-118dBc/Hz</td>

 100MHz Carrier
 <-115dBc/Hz</td>

 250MHz Carrier
 <-108dBc/Hz</td>

 500MHz Carrier
 <-100dBc/Hz</td>

 1GHz Carrier
 <-95dBc/Hz</td>

PULSE

Pulse State: On/Off

 Pulse Mode:
 Single or double, programmable

 Polarity:
 Normal, inverted or complemented

Period: 2ns to 1.6Sec
Resolution: 500 ps
Pulse Width: 1ns to 1.6Sec

Double Pulse Delay: 1ns to 1.6Sec

Rise/Fall Time: Fast

DC Path
HV Path
Linear
Delay:

DC Path
700ps (typical < 600ps)
1ns (typical < 900ps)
1ns to 1.6Sec
1ns to 1.6Sec

Amplitude:

 $\begin{tabular}{lll} \textbf{Range} \\ DC & Path \\ HV & Path \end{tabular} & 50 mVp-p \ to \ 2Vp-p \ into \ 50 \Omega \\ 100 mVp-p \ to \ 4Vp-p \ into \ 50 \Omega \end{tabular}$

Levels

Low Level -2V to +1.95V High Level -1.95V to +2V

NOTES:

- All pulse parameters, except rise and fall times, may be freely programmed within the selected pulse period provided that the ratio between the period and the smallest incremental unit does not exceed the ratio of 16,000,000 to 1.
- 2. Rise and fall times, may be freely programmed provided that the ratio between the rise/fall time and the smallest incremental unit does not exceed the ratio of 1,000,000 to 1.
- **3.** The sum of all pulse parameters must not exceed the pulse period setting.

PULSE / PATTERN COMPOSER

Modes: Multi-level, linear-points, arbitrary bit design, PAM

MULTI-LEVEL

Number of Levels: 1 to 1000

Dwell Time: 500ps to 10Sec

Amplitude Resolution: 4 digits

Time Resolution: 500ps

LINEAR-POINTS

Number of Points: 1 to 1000 Memory: 100k Amplitude Resolution:4 digits Time Resolution: 500ps

ARBITRARY BIT DESIGN

Data Rate:TBDPattern Memory:16 MbitResolution:TBD

Pattern Source: PRBS or user-defined Auto, step, once

Modulation: TBD

PAM (PULSE AMPLITUDE MODULATION)

Data Rate: 10Mbit/s to 2Gbit/s
PAM Range: 2 to 1000
Pattern Memory: 16 Mbit
Resolution: 1 bit (TBD)

ARBITRARY WAVEFORMS

Sample Rate: 10MS/s to 2.3GS/s

Vertical Resolution: 14 bits

Waveform Memory: 16M points standard,

32M points optional

Min. Segment Size: 384 points

Resolution: 32 points size increments

No. of Segments: 1 to 16k Waveform Granularity: 1 point

Dynamic control: Software command or rear

panel segment control port

Jump Timing: Coherent or asynchronous

SEQUENCED WAVEFORMS

Operation: Segments a

Segments are grouped in a sequence table that links, loops and jumps to next in user-defined scenarios. Sequence steps are advanced on trigger events or remote commands. Each channel has its own sequence scenario

Multi Sequence: 1 to 1,000 unique scenarios

Sequencer Steps: 1 to 16k steps.

Segment Duration: 32 ns minimum step duration
Segment Loops: 1 to 1M cycles, each segment
1 to 1M ("Once" mode only)
Step Advance Modes: Continuous, once (x "N") and

stepped

SEQUENCED SEQUENCES

Operation: Enables the grouping of

sequences into scenarios in a way that is similar to how segments are grouped in a sequence table. Each channel has its own advance sequencing generator

Sequence Scenarios: 1 Scenario

Dynamic Control: Software command or rear panel sequence control port

Table Length: 1 to 1k steps

Advance Control: Continuous, once and stepped

Sequence Loops: 1 to 1,000,000 cycles

MODULATION

COMMON CHARACTERISTICS

Carrier Waveform: Sine

Carrier Frequency: 10kHz to 1GHz Modulation Source: Internal

FΜ

Modulation Shape: Sine, square, triangle and ramp **Modulation Freq.:** $(CW/6) > (M.F) > (30e^{-6}xCW)$

Deviation Range: CW/2





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FSK / FREQUENCY HOPPING

2 to 10,000 (<CWx10.24e⁻³) **Hop Table Size:**

Hop Type: Fast or Linear

Dwell Time Mode: Fixed or programmable per step

Dwell Time: 2ns to 10Sec

Dwell Time Resolution: 2ns

SWEEP / CHIRP

Sweep Type: Linear or log Sweep Direction: Up or down

(9/High Freq.) > (S.T) > (50e3/High Freq.) Sweep Time:

Modulation Shape: Pulse

Pulse Repetition:

Range 100ns to 2Sec Resolution 3 digits Accuracy 100 ppm

AM

Modulation Shape: Sine, square, triangle and ramp **Modulation Freq.:** $(CW/9) > (M.F) > (CW/50e^3)$

Modulation Depth: 0.1 to 100%

ASK / AMPLITUDE HOPPING

2 to 10,000 (<CWx10.24e⁻³) Hop Table Size:

Hop Type: Fast or Linear

Dwell Time Mode: Fixed or programmable per step

Dwell Time: 2ns to 10Sec

Dwell Time Resolution: 2ns

Resolution: Maximum amplitude/4096

(n)PSK and (n)QAM

Modulation Type: PSK. BPSK. QPSK. OQPSK.

PI/4 DQPSK, 8PSK, 16PSK, 16QAM, 64QAM, 256QAM

and User Defined On/Off

Carrier Control: Carrier Frequency: 100kHz to 65MHz

Symbol Rate Range:

100kHz to 65MHz Carrier On Carrier Off 100kHz to 500MHz

Symbol Period Accuracy: 1 ppm 2 to 10,000 Table Size:

I-Q Parameters:

TBD Gain imbalance Offset imbalance TBD Phase imbalance

COMMON CHARACTERISTICS

FREQUENCY

Resolution:

Accuracy and Stability: Same as reference

Reference Clock:

1 ppm from 19°C to 29°C; Internal

1ppm/°C below 19°C or above 29°C; 1 ppm/year aging rate

External Same as accuracy and stability of the external reference.

OUTPUTS

MAIN OUTPUTS

DC-coupled, or AC-coupled Coupling: Connectors: Front panel SMAs Impedance: 50Ω nominal, each output Protection: Protected against temporary

short to case ground

DC-COUPLED

Single-ended or differential Type:

Resolution: 4 digits

Accuracy: $\pm (3\% +5 \text{ mV})$, offset = 0 V

Overshoot: 5%, typical

DC PATH

Rise/Fall Time: 700ps (typical < 600ps)

Amplitude Range:

Single-ended 50 mVp-p to 2Vp-p* Differential 100 mVp-p to 4Vp-p*

* Double into high impedance

HV PATH

Rise/Fall Time: 1ns (typical < 900ps) Amplitude Range:

Single-ended 50 mVp-p to 4Vp-p* Differential 100 mVp-p to 8Vp-p*

* Double into high impedance

OFFSET

Offset Control: Common mode, specified into

 50Ω , levels double into high Z

Offset Range: -1.5 V to + 1.5 V

Offset Resolution: 4 digits Offset Accuracy: $\pm (5\% +5 \text{ mV})$

RF. AC-COUPLED

Single-ended

Amplitude Range: -20 dBm to +10 dBm into 50Ω ,

double into high impedance

Resolution: 4 digits (3% +0.5dBm) Accuracy:

Bandwidth: 1 GHz

MARKER OUTPUTS

Two markers per channel Number of Markers: Type: Differential (+) and (-) outputs

Connectors: SMB

Skew Between Markers: 100 ps, typical

Impedance: 50Ω Amplitude Voltage:

> Window OV to 1.25V, single-ended;

0V to 2.5V, differential 0 V to 0.8V, single-ended; I ow level 0 V to 1.6V, differential 0.5 V to 1.25V, single-ended; High level

0 V to 2.5V, differential

Resolution: 10 mV 10% of setting Accuracy:

Width control: 4 SCLK to segment length Position control: 0 to segment length in 4 points

increments

Initial delay: 3.5 ns, typical (Output to marker) Variable delay:

Control Separate for each channel

Range 0 to 3 nsResolution 10 ps

 $\pm (10\% \text{ of setting } +20 \text{ ps})$ Accuracy

Rise/Fall Time: 1.0 ns, typical

SYNC OUTPUT

Connector: Front panel SMA Source: Channel 1 or channel 2 Type: Single ended

Waveform Type: Pulse (32 points width), WCOM

Impedance: 50O

Amplitude: 1 V; doubles into high impedance

Variable Position Control:

Range 0 to segment length Resolution 32 points Rise/Fall Time 2 ns, typical

Variable Width control:

Range 32 points to segment length

Resolution 32 points

INPUTS

TRIGGER INPUT

Connector: Rear panel SMA

Input Impedance: $10k\Omega$

Polarity: Positive, negative, or both

Damage Level: ±20 Vdc Frequency Range: 0 to 15 MHz

Trigger Level Control:

Range -5V to 5V 12 bit (2.5 mV) Resolution

Accuracy \pm (5% of setting + 2.5mV)

Sensitivity 0.2 Vp-p

Pulse Width: 10 ns, minimum

EVENT INPUT

Connector: Rear panel BNC 10kO

Input Impedance:

Polarity: Positive, negative or either

+20Vdc Damage Level: Frequency Range: 0 to 15MHz **Trigger Level Control:**

Range -5V to 5V Resolution 12 bit (2.5mV)

Accuracy \pm (5% of setting + 2.5mV) Sensitivity 0.2 Vp-p minimum Pulse Width: 10 ns. minimum





Model WX2182B



SEQUENCE / SEGMENT CONTROL INPUT

Rear panel D-sub, 8 bit lines Connectors:

Input Impedance: 10 kΩ TTI Input Level:

EXTERNAL REFERENCE INPUT

Connector: Rear panel BNC Input Frequency: 10MHz to 100MHz

Input Impedance: Input Voltage Swing:

-5dBm to 5dBm 10dBm Damage Level:

EXTERNAL SAMPLE CLOCK INPUT

Connector: Rear panel SMA

Input Impedance: 50Ω

Input Voltage Swing: 0dBm to 10dBm

Input Frequency: 2.0GHz

Clock Divider: 1/1, 1/2, 1/4, ... 1/256, separate

> for each channel 15dBm

Damage Level: **RUN MODES**

Triggered

Continuous A selected output function

shape is output continuously. Self armed No start commands are required

to generate waveforms.

Armed The output dwells on a dc level

and waits for an enable command and then the output waveform is output continuously; An abort

command turns off the waveform. A trigger signal activates a single-

shot or counted burst of output waveforms and then the instrument

waits for the next trigger signal. Normal mode The first trigger signal activates the output; consecutive triggers are

ignored for the duration of the

output waveform.

Override mode The first trigger signal activates the output; consecutive triggers restart

> the output waveform regardless if the current waveform has been

completed or not.

Gated A waveform is output when a gate signal is asserted. The waveform

is repeated until the gate signal is de-asserted. Last period is always completed.

TRIGGER CHARACTERISTICS

EXTERNAL

Source: Channel 1, channel 2, or both

Connector: Input Impedance:

Polarity: Positive, negative, or both

Damage Level: ±20Vdc Frequency Range: 0 to 15 MHz

Trigger Level Control:

Range -5V to 5V Resolution 12 bit (2.5 mV)

Accuracy \pm (5% of setting + 2.5mV)

Sensitivity 0.2 Vp-p Pulse Width: 10 ns, minimum

System Delay: 200 sample clock periods + 50ns.

typical (Trigger to Output)

Trigger Delay: Separate for each channel 0 to 8,000,000 sclk periods Range

Resolution 8 points

Accuracy Same as sample clock accuracy Smart Trigger: Detects a unique pulse width range

Conditioned trigger < pulse width, > pulse width or

<>pulse width

Pulse Width Range 50ns to 2Sec

Resolution 2ns Accuracy \pm (5% of setting +20ns)

Trigger Holdoff: Ignores triggers for a holdoff duration

Holdoff range 100ns to 2Sec

Resolution

Accuracy ±(5% of setting +20ns) Trigger jitter: 8 sampling periods

INTERNAL

Source: Common or separate Modes:

Waveform start to waveform start Timer Delayed Waveform stop to waveform start

Timer:

Range 100ns to 2Sec Resolution 3 digits Accuracy 100 ppm

Delay

Range 152 to 8,000,000 sclk periods Resolution Even numbers, divisible by 8

MANUAL

Source: Soft trigger command through the front panel or external interface

INTER-CHANNEL SKEW CONTROL

COURSE TUNING

Initial skew: 200ps

Control:

Range 0 to waveform-length points

Resolution 8 points

Accuracy: Same as sample clock accuracy

FINE TUNING

Initial skew: 200ps

Control: Range

-3 ns to +3 ns

Resolution 10ps

(10% of setting + 20 ps) Accuracy:

TWO INSTRUMENTS SYNCHRONIZATION

Initial Skew: 20ns + 0 to 16 SCLK Offset Control: 0 to Waveform length Offset Resolutioon: 8 SCLK increments

Skew Control: -5ns to 5ns Skew Resolutiuon: 10ps

Clock Source: Master sample clock generator

Trigger Source: Master trigger input

GENERAL

Voltage Range: 100 VAC to 240 VAC

Frequency Range: 50 Hz to 60 Hz

Power Consumption: 150 VA

Display Type: TFT LCD, back-lit

Size

Resolution 320 x 240 pixels

Interfaces:

USB 2.0 1 x front, USB host, (A type); 1 x rear, USB device, (B type)

1000/100/10 BASE-T IAN GPIR IEEE 488.2 standard interface

Segment control 2 x D-sub, 9 pin

Dimensions:

With feet 315 x 102 x 395 mm (WxHxD) Without feet 315 x 88 x 395 mm (WxHxD)

Weight:

Without package 4.5 kg Shipping weight 6 kg Operating temperature: 0°C to 40°C Storage temperature: -40°C to 70°C

Humidity: 85% RH, non condensing Safety: CE Marked, IEC61010-1 IEC 61326-1:2006

EMC: Calibration: 2 years

5 years standard Warranty:

ORDERING INFORMATION

MODEL WX2182B

2.3GS/s Dual-Channel ArbitraryWaveform Generator

OPTIONS

Option 1: 32M Memory

ACCESSORIES

19" Single Rack Mounting Kit S-Rack mount: Case Kit: Professional Carrying Bag

Note: Options and Accessories must be specified at the time of your purchase.

