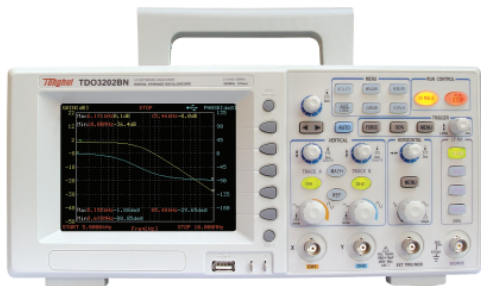# Digital Storage Oscilloscope

G. TDO3000BN Series Digital Storage Oscilloscope/ Low-frequency Network Analyzer

Features

- Different sweep-frequency ranges: 0.1mHz to 10MHz, 0.1mHz to 20MHz and 0.1mHz to 40MHz
- Linear and logarithmic gains are available for variable test needs.
- Multiple Sweep-frequency modes: logarithmic, linear, manual, auto
- Sweep points: 50 to 250
- Available cursor-measure functions: Manual, Auto, Track, Peak
- Auto correction function
- Flexible curve-display mode: gain curve zoom and pan, phase curve zoom and pan, only gain or phase curve, reset.
- Support Chinese and English
- External BMP and CSV file storage
- U-disk storage and software upgrade
- Press PRINT key to save BMP image to U-disk
- USB and RS232C interfaces for remote connection
- 5.6-inch TFT LCD and color pages
- Pop-up menu display

Newest Portable Network Analyzer

TDO3202BN

Application Fields

- Laboratories and training centers in colleges and universities
- Design and debug in R&D department
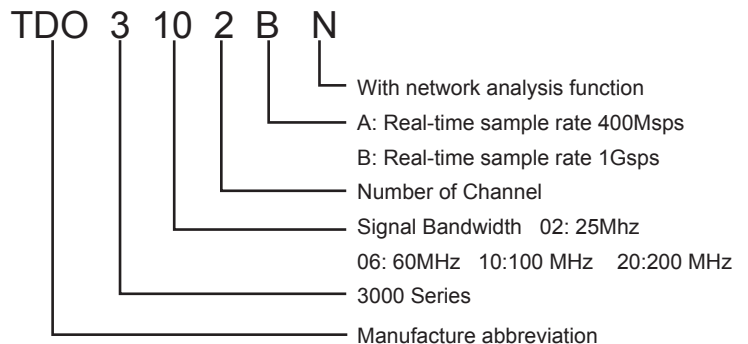- Maintenance and service centers

Brief Introduction

- TDO3000B series low-frequency network analyzer is prominent in performance, powerful in functions and small in size. With less cost, users can enjoy more test abilities middle- and high-class DSO provides.

Three frequency bandwidths: 10MHz, 20MHz and 40MHz are selectable when buying an instrument. The following standard configurations bring great convenience for your tests: multiple scan modes, cursor and parameter measurements, flexible display control, multiple communication interfaces.

Ordering Information

Naming principle:

TDO 3 10 2 B N

- With network analysis function
- A: Real-time sample rate 400Msps
- B: Real-time sample rate 1Gsps
- Number of Channel
- Signal Bandwidth   02: 25Mhz   06: 60MHz   10:100 MHz   20:200 MHz
- 3000 Series
- Manufacture abbreviation

TDO3000BS Series

Model	Real-time sample rate	Equivalent sample rate	Memory depth	Bandwidth	Network sweep bandwidth
TDO3062BN	1Gsps	50Gsps	2.4Mpts	60MHz	0.1mHz~10MHz
TDO3102BN	1Gsps	50Gsps	2.4Mpts	100MHz	0.1mHz~20MHz
TDO3202BN	1Gsps	50Gsps	2.4Mpts	200MHz	0.1mHz~40MHz

Instrument Accessories

TDO-XXX oscilloscope probe (XXX indicating bandwidth)	2
3-wire power cord	1
Operation Manual	1

Options

TDO-comsoft03   connection software

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Specifications

Model	TDO3062BN	TDO3102BN	TDO3202BN
Vertical system			
Channels	2analog input channels, 1 external signal source input channel		
Input coupling	DC/ AC		
Vertical measure	Logarithmic gain resolution: 0.08dB/pixel, linear gain resolution: 0.01/pixel Phase shift resolution: 1 deg Phase shift range: -180 deg to 180 deg		
Gain display mode	Linear, logarithm		
Sweep-frequency output impedance	50Ω		
Sweep-frequency input impedance	High impedance		
Maximum input voltage	Source input: ≥50mv(vpp), channel input: ≥20mv(vpp)		
Horizontal system			
Sweep-frequency bandwidth	0.1mHz~10MHz	0.1mHz~20MHz	0.1mHz~40MHz
Sweep-frequency points	50~250		
Sweep-frequency modes	Auto, manual		
Sweep mode	Linear, logarithm		
Measure mode	Single, sequential		
Frequency spectral measurement			
gain measure items	Gain sweep curve, gain peak value, gain point-frequency		
Phase shift measure items	Phase shift sweep curve, phase shift peak value, phase shift point-frequency		
Marker measure	Manual, Auto, Track		
Store and interfaces			
File communication format	BMP、CSV		
Interfaces	USB HOST、USB DEVICE、RS232C		
Display system			
Displayer	5.6-inch TFT LCD displayer		
Resolution	320(vertical) x 234(horizontal)		
Color	24-bit nature color		
Languages	Chinese, English		
Curve display	Range	200(vertical) x 250(horizontal)	
	Format	Gain curve or phase shift curve can be displayed separately.	