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1.5472

70MHz, 100MHz and 150MHz Digital Oscilloscopes

A NEW FAMILY OF DSO FROM 70MHz TO 150MHz FOR ALL YOUR TESTS & ELECTRONIC APPLICATIONS

Capabilities

- 2 channels, full bandwidth of 150MHz, 100MHz and 70MHz.
- Dual sampling mode: 1GSa/s Real-time sampling rate & 25GSa/s ETS
- 2Mega points memory length maximum
- Save/Recall of 15 front panel settings & waveforms
- 5.6" TFT color display for all models
- 27 auto measurements and Built in 6 digit real-time frequency counter
- Advanced trigger: Pulse Width, TV-Line
- PC interface support : USB Host for graphic/ data file storage and USB Device for PC connection
- Arithmetic operators +, -, x, FFT, FFT rms
- Multi-language option* and Built-in Help Menu
- Compact size
- Datalogger mode

Hi level performances

The new DSO adopts the Memory Prime technology, which installs a high speed signal processor to work in parallel with CPU to exceedingly raise up the waveform reconstruction speed. With this high speed signal processor and 2M point memory, the new family is able to run at 1GSa/s maximum sampling speed under a wide range of Time Base selections (100us/div ~ 25ns/div). This unparalleled performance creates a significant differentiation among all other economic DSO products available in the market today.

Multiples functions

The new DSOs includes more and more functions to ease the measurements: and meet most of application in the market:

- Autoset, Datalogger mode
- Math functions: +, -, x , FFT and FFTrms
- 27 measurements functions, Go-No-Go



Hi level performances in a very compact design

Easy to use

With the large TFT coloured screen, the convenient user interface it will be like a game to operate the new DSOs. User can access to all functions with on screen menus, with help screens. You can save up to 15 setup. The front panel is designed and optimized to find all commands very quickly.

Interfaces

A USB device port with fully remote controllable capability and a USB Host slot for mass storage and recall of waveform data, screenshot, and panel setup are available with the new family.

Selection guide	5472DC	54102DC	54152DC
Display	TFT	TFT	TFT
Bandwidth	70MHz	100MHz	150MHz
Channels	2	2	2
Sampling rate	1Gs/s	1Gs/s	1Gs/s
Sampling rate (ETS)	25Gs/s	25Gs/s	25Gs/s
USB interface (rear panel)	yes	yes	yes
USB Host interface (front panel)	yes	yes	yes







SEFRAM 5472DC, 54102DC, 54152DC

70MHz, 100MHz and 150MHz Digital Oscilloscopes

Elechnical Specifications 54.7/213/C 54.10/213/C 54.15/213/C Channels 2 2 2 2 Vertical Bandwidth 1-5/80 70MHz 100MHz 150MHz 8 bits Resolution 8 bits 2 bits 8 bits 9 bits 8 bits Sensitivity 20WHz 10 10W/dw 20W/dw to 10W/dw 20W/dw to 10W/dw 20W/dw to 10W/dw Sensitivity 20WHz 1-5/80 West 20WHz 1-5/80 West 20WHz 1-5/80 Vest 20WHz 1-5/80 <t< th=""><th></th><th></th><th></th><th></th></t<>				
Vertical Southit Southit Southit Southit Resolution 8 bits 8	Technical Specifications	5472DC	54102DC	54152DC
Vertical Bandwidth - 3dB) 70MHz 100MHz 150MHz Resolution 8 bits 8 bits 8 bits 8 bits Sensitivity 2m/dvit to 100//dv 2m/dvit to 100//dv 2m/dvit to 100//dv Bits 9 bits 8 bits 8 bits 8 bits Sensitivity 2m/dvit to 100//dv 2m/dvit to 100//dv 2m/dvit to 100//dv Bits 0 AC, DC, CND AC, DC, CND AC, DC, CND AC, DC, CND Bandwidth limit ves, 20MHz (-3dB) yes, 20MHz (-3dB) yes, 20MHz (-3dB) Horizontal 1ms to 505 /dW 1ms to 505 /dW 1ms to 505 /dW 1ms to 505 /dW Acquisition 16s/s 10s/s 10s/s 10s/s Sampling rate 16s/s 10s/s 25G/s 26G/s 2, 4, 8, 16, 32, 64, 128, 256 2, 4, 8, 16, 32, 64, 128, 256 2, 4, 8, 16, 32, 64, 128, 256 2, 4, 8, 16, 32, 64, 128, 256 2, 4, 8, 16, 32, 64, 128, 256 2, 4, 8, 16, 32, 64, 128, 256 2, 4, 50, 52/s/s 2, 50/s/s	Channels	2	2	2
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Resolution B bits B bits B bits B bits B bits B bits Sensitivity 2mV/div to 10V/div 2m/div to 10V/div div<	Bandwidth (-3dB)	70MHz	100MHz	150MHz
Sensitivity 2mV/div to 100/div 2mV/div to 100/div 2mV/div to 100/div Sensitivity coupling AC, DC, CND AC, DC, CND AC, DC, CND Input impedance 1M ohms (2x8) //15pF 1M homs (2x8) //15pF 1M homs (2x8) //15pF 1M homs (2x8) //15pF Bandwidth limit yes, 20MHz (-3dB) yes, 20MHz (-3dB) yes, 20MHz (-3dB) Imme base 1ns to 50s /div 1ns to 50s /div 1ns to 50s /div Sampling rate 1GS/s 1GS/s 1GS/s Acruatistion 2SGS/s 2SGS/s 2SGS/s Sampling rate 1.62/s 2SGS/s 2SGS/s Mode single, peak (10ns min.), average single, peak (10ns min.), average single, peak (10ns min.), average Mode pulse, edge 2, 4, 8, 16, 32, 64, 128, 256 2, 4, 8, 16, 32, 64, 128, 256 2, 4, 8, 16, 32, 64, 128, 256 Coupling Acto, normal, singleshot, TV, avto, nortal rejection Auto, nortal rejection 27 measures, operators +, -, x Coupling Acto, DC, LF reject, HF reject, notal rejection notae rejection notae rejection notae rejection <				
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Input impedance 1M ohms (±2%) //15pF 1M ohms (±2%) //15pF 1M ohms (±2%) //15pF Bandwidth limit yes, 20MHz (-3dB) yes, 20MHz (-3dB) yes, 20MHz (-3dB) Bandwidth limit yes, 20MHz (-3dB) yes, 20MHz (-3dB) yes, 20MHz (-3dB) Display windows, zoom, roll, XY windows, zoom, roll, XY windows, zoom, roll, XY Acquisition 16x/s 16x/s 16x/s Sampling rate 16.52.64 (-128, 256 2.4.8.16.52.64 (-128, 256 Acter age 2.4.8.16.52.64 (-128, 256 2.4.8.16.52.64 (-128, 256 Verage 2.4.8.16.52.64 (-128, 256 2.4.8.16.52.64 (-128, 256 Verage A.4.6.52.64 (-128, 256 2.4.8.16.52.64 (-128, 256 Coupling Auto, normal, singleshot, TV, pulse, edge pulse, edge Coupling A.6.0.C. IF reject, HF reject, noise rejection noise rejection Pre trigger 1000 divisions 10000 divisions 1000 divisions Functions 27 measures, operators +, -, x 27 measures, operators +, -, x 27 measures, operators +, -, x Vcc, Vmov, Veff, Vhi, Vlo, Vmax, Vcc, Vmov, Veff, Vhi, Vlo, Vmax, Vccc, Vmov, Veff, Vhi, Vlo, Vmax, Vcc, Vmov, Veff, Vhi, Vlo, Vmax,	Rise time	<5ns	<3,5ns	<2,3ns
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Supplied with : power cord, user's manual (CD-ROM), software and 2 probes 1/1 and 1/10

To get the best performances from your oscilloscope, we recommand to use ELDITEST probe GE.1521 ot GE.2521

FT54X2DC A01 - Specifications subject to change without notice



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