SEFRAM 5442DC, 5462DC, 5482DC

60MHz, 100MHz and 150MHz Digital Oscilloscopes

A NEW FAMILY OF DSO FROM 60MHz TO 150MHz FOR ALL YOUR TESTS & ELECTRONIC APPLICATIONS

Capabilities

- 2 channels, full bandwidth of 150MHz, 100MHz and 60MHz.
- 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: SD card 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

1 Gs/s
25 Gech/s in ETS
Memory: 2Mpoints

SEFRAM 5482 DC

Hi level performances in a very compact design

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.

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 funtions 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.

Multiples functions

The new DSOs includes more and more functions to ease the measurements: and meet most of application in the market:
- Autoset
- Math functions: +, -, x , FFT and FFTrms
- 27 measurements functions

Interfaces

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

Selection guide

	5442DC	5462DC	5482DC
Display	TFT	TFT	TFT
Bandwidth	60MHz	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
SD-CARD interface (front panel)	yes	yes	yes

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Technical Specifications	5442DC	5462DC	5482DC
Channels	2	2	2
Vertical			
Bandwidth (-3dB)	60MHz	100MHz	150MHz
Resolution	8 bits	8 bits	8 bits
Sensitivity	2mV/div to 10V/div	2mV/div to 10V/div	2mV/div to 10V/div
Rise time	<5,8ns	<3,5ns	<2,3ns
Coupling	AC, DC, GND	AC, DC, GND	AC, DC, GND
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)
Horizontal			
Time base	1ns to 50s /div	1ns to 50s /div	1ns to 50s /div
Display	windows, zoom, roll, XY	windows, zoom, roll, XY	windows, zoom, roll, XY
Acquisition			
Sampling rate	1Gs/s	1Gs/s	1Gs/s
Memory (per channel)	2Mpoints max	2Mpoints max	2Mpoints max
Sampling rate (ETS)	25Gs/s	25Gs/s	25Gs/s
Mode	single, peak (10ns min.), average	single, peak (10ns min.), average	single, peak (10ns min.), average
Average	2, 4, 8, 16, 32, 64, 128, 256	2, 4, 8, 16, 32, 64, 128, 256	2, 4, 8, 16, 32, 64, 128, 256
Trigger			
Mode	Auto, normal, singleshot, TV, pulse, edge	Auto, normal, singleshot, TV, pulse, edge	Auto, normal, singleshot, TV, pulse, edge
Coupling	AC, DC, LF reject, HF reject, noise rejection	AC, DC, LF reject, HF reject, noise rejection	AC, DC, LF reject, HF reject, noise rejection
Pre trigger	10 div. max.	10 div. max.	10 div. max.
Post trigger	1000 divisions	1000 divisions	1000 divisions
External trigger	yes (±15V max)	yes (±15V max)	yes (±15V max)
Functions			
Automatic measurement	27 measures, operators +, -, x Vcc, Vmoy, Veff, Vhi, Vlo, Vmax, Vcc, Vmoy, Veff, Vhi, Vlo, Vmax, Vmin, Thi, Tlo Overshoot, Preshoot, Freq, Periode, Duty cycle, Pulse width	27 measures, operators +, -, x Vcc, Vmoy, Veff, Vhi, Vlo, Vmax, Vcc, Vmoy, Veff, Vhi, Vlo, Vmax, Vmin, Thi, Tlo Overshoot, Preshoot, Freq, Periode, Duty cycle, Pulse width	27 measures, operators +, -, x Vcc, Vmoy, Veff, Vhi, Vlo, Vmax, Vcc, Vmoy, Veff, Vhi, Vlo, Vmax, Vmin, Thi, Tlo Overshoot, Preshoot, Freq, Periode, Duty cycle, Pulse width
FFT	yes, FFT and FFTrms	yes, FFT and FFTrms	yes, FFT and FFTrms
Cursors	dV, dT	dV, dT	dV, dT
Counter	6 digits	6 digits	6 digits
Autoset	yes	yes	yes
Memory & Calibration			
Internal Memory	up to 15 setup and screen	up to 15 setup and screen	up to 15 setup and screen
Autocalibration	yes	yes	yes
Interfaces			
USB	yes, USB1.1 & 2.0 (device)	yes, USB1.1 & 2.0 (device)	yes, USB1.1 & 2.0 (device)
SD card	yes, for images (BMP), data (CSV) and setup	yes, for images (BMP), data (CSV) and setup	yes, for images (BMP), data (CSV) and setup
General specifications			
Display	LCD, TFT coloured, 320x234 dots	LCD, TFT coloured, 320x234 dots	LCD, TFT coloured, 320x234 dots
Menus	multilanguages, per function with help multilanguages	multilanguages, per function with help multilanguages	multilanguages, per function with help multilanguages
Grid	8x10div	8x10div	8x10div
Contrast	adjustable	adjustable	adjustable
Powet supply	100 - 240V / 48-63Hz (25VA max.)	100 - 240V / 48-63Hz (25VA max.)	100 - 240V / 48-63Hz (25VA max.)
Safety	IEC1010, Cat II -300V	IEC1010, Cat II -300V	IEC1010, Cat II -300V
Dimensions, weight	140x142x310mm - 2,5 Kg	140x142x310mm - 2,5 Kg	140x142x310mm - 2,5 Kg

Supplied with : power cord, user's manual, 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

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For assistance and ordering

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ISO 9001
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