



**Make sure to visit
our Website**
<http://www.sefram.fr>

SEFRAM

5352DC, 5372DC, 53102DC
50MHz, 70MHz and 100MHz
Digital Oscilloscopes

A NEW FAMILY OF DSO FROM 50MHZ TO 100MHZ FOR ALL YOUR TESTS & ELECTRONIC APPLICATIONS

Capabilities :

- 2 channels, full bandwidth of 50MHz, 70MHz and 100MHz.
- Dual sampling mode: 250MSa/s Real-time sampling rate & 25GSa/s ETS
- 4k points memory length per channel
- Save/Recall of 15 front panel settings & waveforms
- 5.7" TFT color display for all models
- 19 auto measurements and built-in 6 digit real-time frequency counter
- Interfaces : USB Host for graphic/ data file storage and USB Device for PC connection
- Go-No-Go mode and datalogger
- Arithmetic operators +, -, FFT
- Multi-language option* and built-in Help Menu
- Compact size

High performances

The new DSO family includes 3 general purpose 2 channels oscilloscopes, designed to meet diversified educational demands and basic industrial requirements. This series provides bandwidth ranging from 50MHz to 100MHz. Together with intuitive human machine interface design and 5.7 inch color LCD, the new 53XXDC allows users to enjoy better measurement experiences.

Multiples functions

The new DSOs includes more and more functions to ease the measurements:

- Autoset, Go-No-Go mode and datalogger
- Math functions: +, -, FFT

Selection guide

	Sefram 5352DC	Sefram 5372DC	Sefram 53102DC
Display	TFT	TFT	TFT
Bandwidth	50MHz	70MHz	100MHz
Channels	2	2	2
Sampling rate	250Ms/s	250Ms/s	250Ms/s
Sampling rate (ETS)	25Gs/s	25Gs/s	25Gs/s
USB device interface (rear panel)	yes	yes	yes
USB Host interface (front panel)	yes	yes	yes



250Ms/s
25 Gs/s in ETS
Memory : 4k points

**General purpose oscilloscope,
with high level performances
in a very compact design**

SEFRAM 5352DC, 5372DC, 53102DC

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 for mass storage and recall of waveform data, screenshot, and panel setup are available with the new family.



SEFRAM 5352DC, 5372DC, 53102DC

50MHz, 70MHz and 100MHz Digital Oscilloscopes

Specifications	5352DC	5372DC	53102DC
Channels	2	2	2
Vertical			
Bandwidth (-3dB)	50MHz	70MHz	100MHz
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	<8,75ns	<5,8ns	<3,5ns
Coupling	AC, DC, GND	AC, DC, GND	AC, DC, GND
Input impedance	1M ohms (±2%) //16pF	1M ohms (±2%) //16pF	1M ohms (±2%) //16pF
Bandwidth limit	20MHz (-3dB)	20MHz (-3dB)	20MHz (-3dB)
Horizontal			
Time base	1ns to 50s /div	1ns to 50s /div	1ns to 50s /div
Display	windows, roll, XY	windows, roll, XY	windows, roll, XY
Acquisition			
Sampling rate	250Ms/s	250Ms/s	250Ms/s
Memory (per channel)	4k points	4k points	4k points
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
External trigger	yes	yes	yes
Functions			
Automatic measurement	19 measures, operators +, -, 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, Vmin, Thi, Tlo Overshoot, Preshoot, Freq, Periode, Duty cycle, Pulse width	27 measures, operators +, -, x Vcc, Vmoy, Veff, Vhi, Vlo, Vmax, Vmin, Thi, Tlo Overshoot, Preshoot, Freq, Periode, Duty cycle, Pulse width
FFT	yes	yes	yes
Cursors	dV, dT	dV, dT	dV, dT
Counter	6 digits	6 digits	6 digits
Autoset	yes	yes	yes
Datalogger mode	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 device (rear panel)	yes, USB1.1 & 2.0	yes, USB1.1 & 2.0	yes, USB1.1 & 2.0
USB Host (front panel)	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, per function with help	multilanguages, per function with help
Grid	8x10div	8x10div	8x10div
Contrast	adjustable	adjustable	adjustable
Power 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 (CD-ROM), software and 2 probes 1/1 and 1/10
 To get the best performances from your oscilloscope, we recommend to use ELDITEST probe GE.1521



FT53X2DC A01 - Specifications subject to change without notice



32, rue Edouard Martel • B.P. 55 • 42009 - St Etienne cedex 2



Fax. +33 (0).4.77.57.23.23

Web : www.sefram.fr • e-mail : sales@sefram.fr

For assistance and ordering



Metrix Electronics Limited

Minchens Court, Minchens Lane,
 Bramley, RG26 5BH, U.K.
 Tel:+44 (0)845 034 3234, Fax:+44 (0)845 034 3233
 E-mail: sales@metrix-electronics.com
 Web: www.metrix-electronics.com