

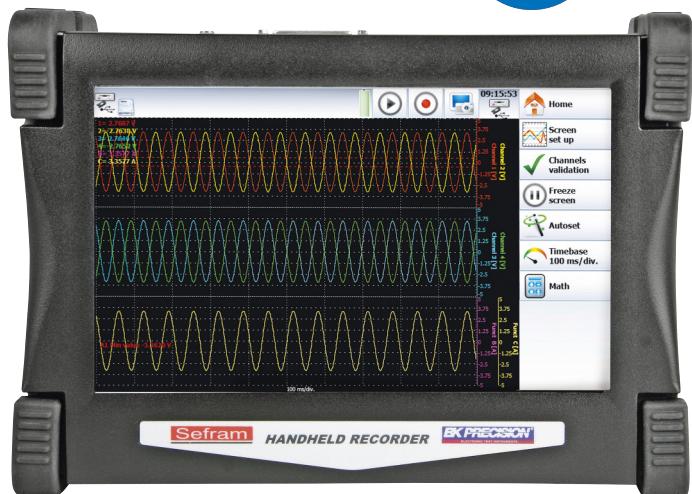
## Multifunction handheld recorders

### Capabilities

- 2 to 4 analogue channels
- Universal input
- DC, AC+DC RMS voltage measurement
- Frequency, counter
- Temperature: thermocouple, Pt100/Pt1000\*
- Power analysis function
- 16 logical channels
- 14-bit resolution
- 10" TFT panoramic LCD touch screen
- 1 Ms/s sampling rate
- 100 KHz bandwidth
- 32 Gb internal hard disk
- 32 Mword memory
- Interfaces : 2 x USB, Ethernet,
- Lithium-ion battery
- Autonomy: up to 9,5 hours.
- 110mm Thermal printer module\*
- IEC 1010 CAT III 600V

\* factory option

**NEW**



**DAS 30/50**

### Multifunction recorders for all your applications

The new DAS 30-50 series recorders have been designed to meet the requirements of all applications in industry (IEC 61010, CAT. III 600V). You can view your measurements (traces, digital values) and record directly in the internal memory or into a USB memory stick. Using Sefram software, you can transfer easily your records on a computer.

### Easy-to-use

Thanks to the new user interface combined with its large touch screen LCD, the portable DAS recorders are design for ease of use for a wide range of data recording applications and easy transfer of your records.

### Universal input

The new DAS 30-50 DAS 30 & DAS 50 recorders offer universal input, which are convenient for all types of signals :

- voltage from 1mV to 1000V DC or 425Vrms
- temperature (thermocouples) and Pt100/Pt1000\*
- counter, frequency
- current (with optional shunt)

### Typical applications

The new DAS 30 & DAS50 recorders are general purpose and multifunction recorders and are suitable for many applications:

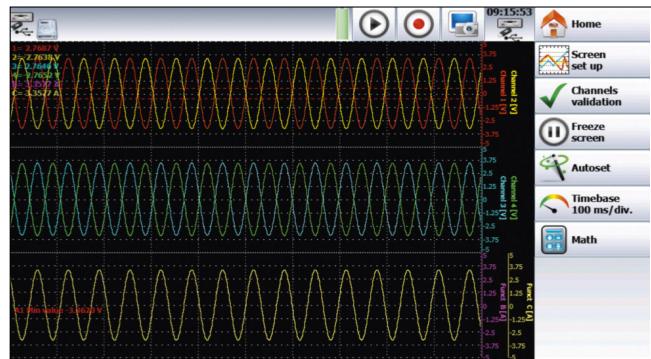
- maintenance/failure diagnostic on electrical systems
- voltage, current, temperature recording and monitoring
- power analysis for single phase, dual phase and three phase systems

### Selection guide

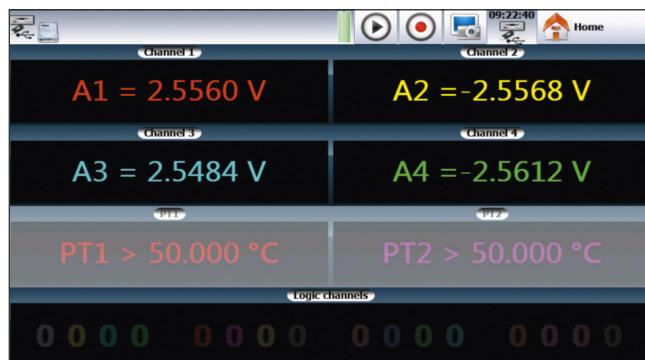
	DAS 30	DAS 50
2 isolated universal channels	●	
4 isolated universal channels		●
2 Pt100/Pt1000 input	factory option	factory option
110mm thermal printer	factory option	factory option



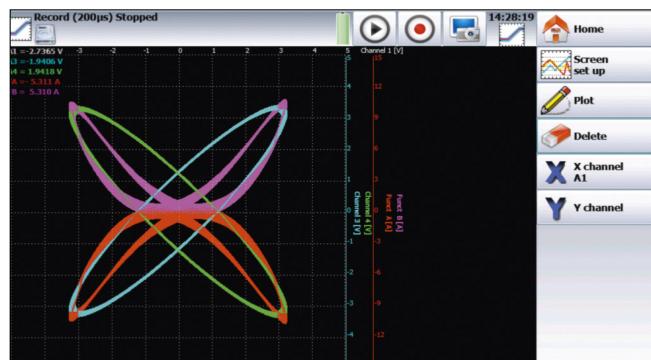
Channels setup: one screen with colors to differentiate channels



Oscilloscope mode



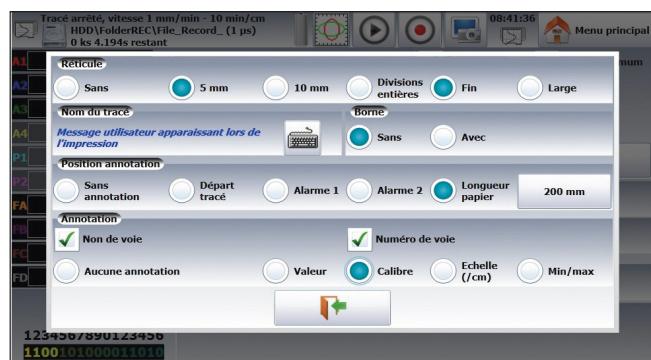
Digital display of measurements



XY mode



Trigger: several type of trigger, one channel, on a level, slope, several channels or combined conditions.



With the thermal printer module, you can setup your print

## Factory options

### 110mm thermal printer module

It's possible to install on Sefram DAS 30 & 50 recorders a thermal printer module (110 mm width, 10 meters thermal paper roll).

### Pt100/Pt1000 board

This factory option adds 2 channels dedicated to Pt100/Pt1000 platinium resistance measurements, with 2 wires or 3 wires or 4 wires setup.

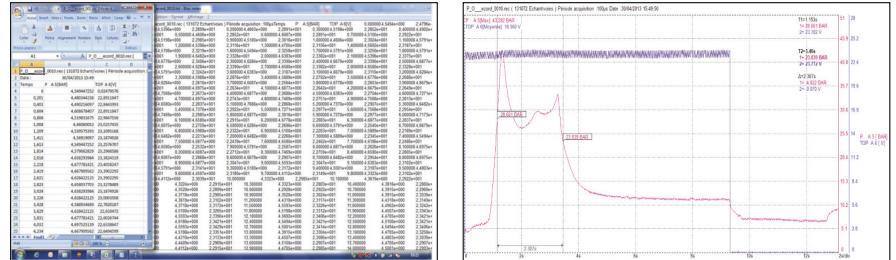
Using a 20 bit analog to digital converter, this card will provide an excellent accuracy and resolution for temperature measurement.

## SEFRAM VIEWER

This licence free software is supplied with each recorder. It allows the visualization of the recordings and the data transfer to other applications. SEFRAM Viewer makes the acquired signal analysis easier.

## capabilities

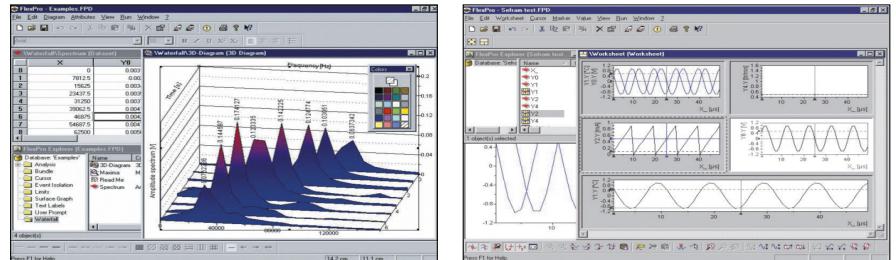
- Curve printing
- Display of values (text)
- Cursors and zoom
- File concatenation
- 8 math calculations
- Up to 120 characters text notes
- Bitmap, Excel®, txt, csv export
- Easy setup of curves display



## FLEXPRO™: a powerful software for your data analysis.

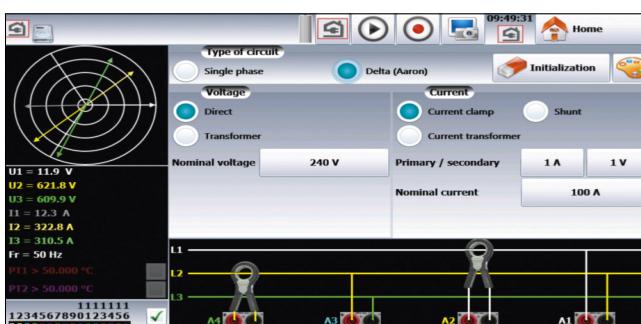
With Flexpro® :

- More than 100 functions of statistical and math analysis
- Powerful graphical display
- Measurement report editing

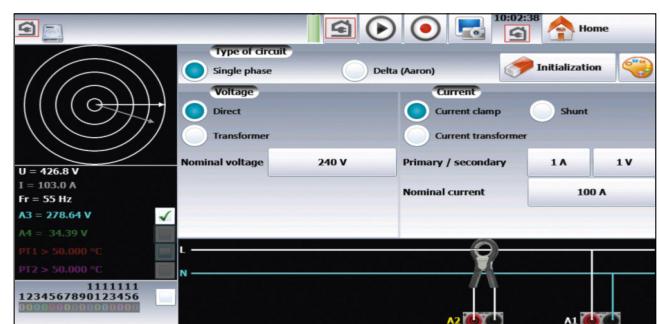


## ENERGY / POWER ANALYSIS

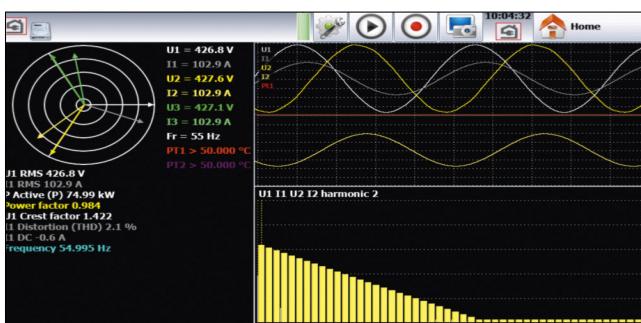
A very powerful analysis for single phase, dual phases or three phases networks. Analysis is provided with Fresnel diagram or oscilloscope mode.



Your instrument shows how to connect the inputs with a schematic and you can setup parameters and measurements on the same screen.



Example of a single phase network.



Real time display of signals and harmonics (up to rank 50)



Setup of parameters to measure or calculate.

