



<u>SEFRAM</u> DAS 800 / 800SV

New 6 channels value-for-money Paperless recorders

Capabilities

• 6 isolated analogue channels

- Measurement up to 500V AC or 1000VDC
- 16 logical channels
- 15.4 inches panoramic TFT touch screen
- 500Gb hard disk, with fast transfer
- Interface: Ethernet, 6 x USB, VGA
- Power analysis (50Hz, 60Hz, 400Hz, 1kHz)
- Internal battery option
- WiFi option*
- IEC1010: CAT III 600V
- **DAS 800SV :** no cooling fan version, for special polluted environmental conditions.



Universal inputs

The new DAS800 is configurated with 6 analogue channels and 16 logical channels. The input board is suitable for all applications: DC and AC voltage, frequency, temperature, current (with shunts or clamps)

A panoramic touch screen to ease the operation

With its 15.4 inches touch screen, using the DAS800 is like a game: the man-machine interface has been designed to be intuitive, all menus are clear and simple and the user's manual can be displayed on the recorder if needed.

Various analysis functions and fast acquisition on disk

The new DAS800 will provide many automatic measurements, various triggers, the power analysis mode,... All is done to simplify the analysis of complex signals. The real time acquisition on hard disk can record at 6Ms/s for one channel or 1Ms/s for 6 channels. Take benefit of this feature for your hi speed diagnostics.

A connected instrument

With its 6 USB interfaces, the LAN interface or through WiFi communication, you can remote control your recorder or download your records. With Virtual Network Computing software (not included), view and control your DAS800 from your computer or your tablet.... Just like if you have the recorder in front of you!



A modular concept for all your applications

Communication and simplified data export :

Sefram



With Virtual Network Computing software, you remote control your DAS 800 from a computer or a tablet.

Several operating modes



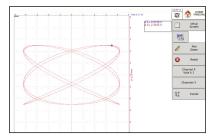
Expert mode : user will access to all parameters of the setup. User mode: restricted access.

FTP : easy transfer of records



FTP or TCP-IP transfer of files and recorded data display.

XY mode with pen-up and pen-down.



With an efficient XY mode, your DAS 800 will replace your old analogue XY plotter.

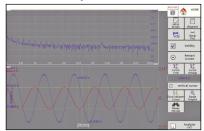
WiFi



With the WiFi interface (option) you can take the best benefit of remote control of your recorder.

All functions, all modes can be remote controled.

FFT Analysis



Real time FFT analysis.

Energy / Power Analysis

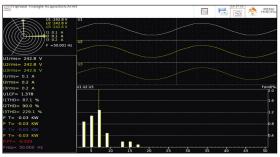
A very powerful analysis for single phase, dual phases or three phases networks. Analysis is provided with Fresnel diagram or oscilloscope mode.

Capabilities

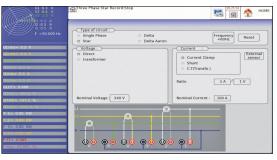
- · Single phase, dual phases, three phases networks
- Up to 24 parameters memorized (U, I, W, Wh, ...)
- Network frequency: 40, 50, 60, 400, 1000 Hz
- Fresnel Diagram
- Oscilloscope mode
- Harmonics up to rank 50
- Memorization of harmonics
- 16 calculated values : mean value, RMS value, peak value, crest factor, THD, DF, active power, apparent power, reactive power, power factor (cos), energy,...
- Real time word file of calculated values



Measurements are done with the voltage input (direct) of the unviversal board and accessories clamps (standard clamps or flexible clamps)



Harmonics up to rank 50 (calculation and memorization)





DAS 800 / 800SV

Paperless recorders

COMMON FEATURES		Specifications - Universa	AL INPUT BOARD	
DISPLAY		Channels :	6 per board	
45 4 inches TET touch caroon with	backlight	Voltage		
15,4 inches TFT touch screen, with backlight Resolution 1280 x 800 dots f(t) and XY display capability Functions: zoom, cursors, zoom between cursors Math and scaling functions (Y = aX + B) 20 automatic measurements available MEMORY		DC voltage ranges: Max offset: Accuracy: TRMS AC+DC : Bandwidth (-3dB): Crest factor :	1mV to 1000 V \pm 5 ranges (except 1000V) \pm 0,1% \pm 10 μ V \pm 0,2% offset 200 mV to 500 V 5Hz to 500Hz 2,2	
Memorization of setup		FREQUENCY		
Memory Internal hard disk	128 Mwords, in segments 500Gb, with fast transfer (6Ms/s)	Sensitivity Duty cycle	300mV rms min. 10%	
INTERFACES AND I/O		Frequency range 10Hz to 100 kHz		
Interfaces	6 x USB (2 on the front panel, 4 on the rear panel), VGA, Ethernet	Basic accuracy Maximum input voltage	0,2% of full scale ± 500VDC or 440V AC (sine)	
Logical channels	16 logical channels (V max: 24V, Zin = 4,7kohms)	TEMPERATURE		
Sensor supply	12V / 0,2A max (non floating)	Sensor	Using environnement	Ranges
Alarm output	3 output, with 1 relay (24V/100mA) and 2 x TTL 5V	J	-20°C to 1200°C	20°C to 2000°C
		K	-250°C to 1370°C	20°C to 2000°C
Power analysis function		<u>T</u>	-200°C to 400°C	20°C to 500°C
	al board and accessories for current measurements)	S	-50°C to 1760°C	50°C to 2000°C
Networks	single phase, dual phases, three phases	В	-200°C to 1820°C	50°C to 2000°C
Frequency	50-60Hz, 400Hz and 1000Hz oscilloscope, Fresnel diagram	E	-250°Cto 1000°C	20°C to 1000°C
Display Harmonics	calculated up to rank 50,	N	-250°C to 1300°C	20°C to 1000°C
Harmonics	with recording capabilities	<u>W5</u>	0 à 2320°C	50°C to 2000°C
Measurements	24 measurements: U and I (mean values.	Accuracy	Cold junction compe	nsation : ±1,25°C
Measurements	RMS, peak), crest factor, power (active,	SAMPLING	14 bits 1M sample/sec per channel 32M word in segments of up to 128 Blocks Positive edge, negative edge, on logical	
	reactive, apparent), power factor, harmonics, THD, DF, frequency, energy,	Resolution Sampling rate Memory length Triggering		
GENERAL AND ENVIRONMENT Power supply 95VAC to 264VAC, 47Hz to 63Hz		Pre trigger	input, delay, Go No Go -100% à +100%	Э.
Consumption	47 VA max	••	10070 0 + 10070	
Operating temperature	0° C to +40°C	BANDWIDTH		
Storage temperature	-20°C to +60°C	Analogue input bandwidth (-3dB)	range 1V: 100kHz	z min
Maximum operating RH Dimensions	80% max.	Programmable digital filters Input impedance (DC)	range ≤ 50mV : 20kHz min 10Hz, f00Hz,1kHz,10kHz >25MΩ for range <1V 1MΩ for upper ranges 150pF typ. between one channel and the frame ground \pm 500V between 2 terminals of one channel \pm 500V	
(without add. chassis) Weight	298 x 394 x 218 mm 8kg (10kg with add. chassis)	Input capacitance Maximum input voltage		
		Isolation between frame ground and channel	>100M Ω at 500VDC	

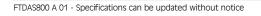
SHUNTS

MEASUREMENT BOARDS AND OPTIONS (*= FACTORY OPTION)

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984405500 910007000 916001000 916004500 916007000	16 isolated logical channels module Logical channels cords Battery option* Wifi communication option Rack mounting kit for DAS1600/800		
CURRENT CLAMPS			
A1257	Kit with 3 flexible clamps 30A/300A/3000A AC for three phases measurements		
A1287 SP201	Flexible clamp 30A/300A/3000A AC Current clamp 200A AC, 10mV/1A, D 15mm		
SP221 SP230 SP261 SP270	Current clamp 10A AC, 100mV/1A, D 15mm Current clamp 1200A AC, 10mV/1A, D 50mm Current clamp 1200A AC+DC, 1mV/1A, D 50mm Current clamp 2000A AC, 1mV/1A, D 70mm		

SHUNIS	
910007100	Shunt 0,01 ohm 3A max
910007200	Shunt 0,1 ohm 1A max
989006000	Shunt 1 ohm 0,5A max
912008000	Shunt 10 ohms 0,15A max
989007000	Shunt 50 ohms 0,05A max
207030301	Shunt 0,01 ohm 30A max
207030500	Shunt 0,001 ohm 50A max
TRANSPORTA	TION CASE (TROLLEY)
914007500	For DAS1600/800/800SV
FLEXPRO ®	ANALYSIS SOFTWARE
100081	Flexpro [®] View (basic version)
100082	Flexpro [®] Full
100002	

Note : battery option is not available for DAS 800 SV







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For assistance and ordering	

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