



# DAS1700

## High Speed Data Acquisition Solution



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# Overview

- ✓ Wide 15,6 inches touchscreen TFT display
- ✓ Up to 72 channels recorded simultaneously
- ✓ Fast sampling rate 1 Msa/s (1 $\mu$ s)
- ✓ 3 acquisition board slots (up to 6 with the extension option)
- ✓ 4 types of acquisition boards
- ✓ Internal memory : 500GB SSD (up to 2TB with option)
- ✓ LAN, USB, Wi-Fi (option) interfaces and 16 logic channels
- ✓ Battery option (2h battery life)
- ✓ Analysis and remote control software provided
- ✓ Carrying case provided



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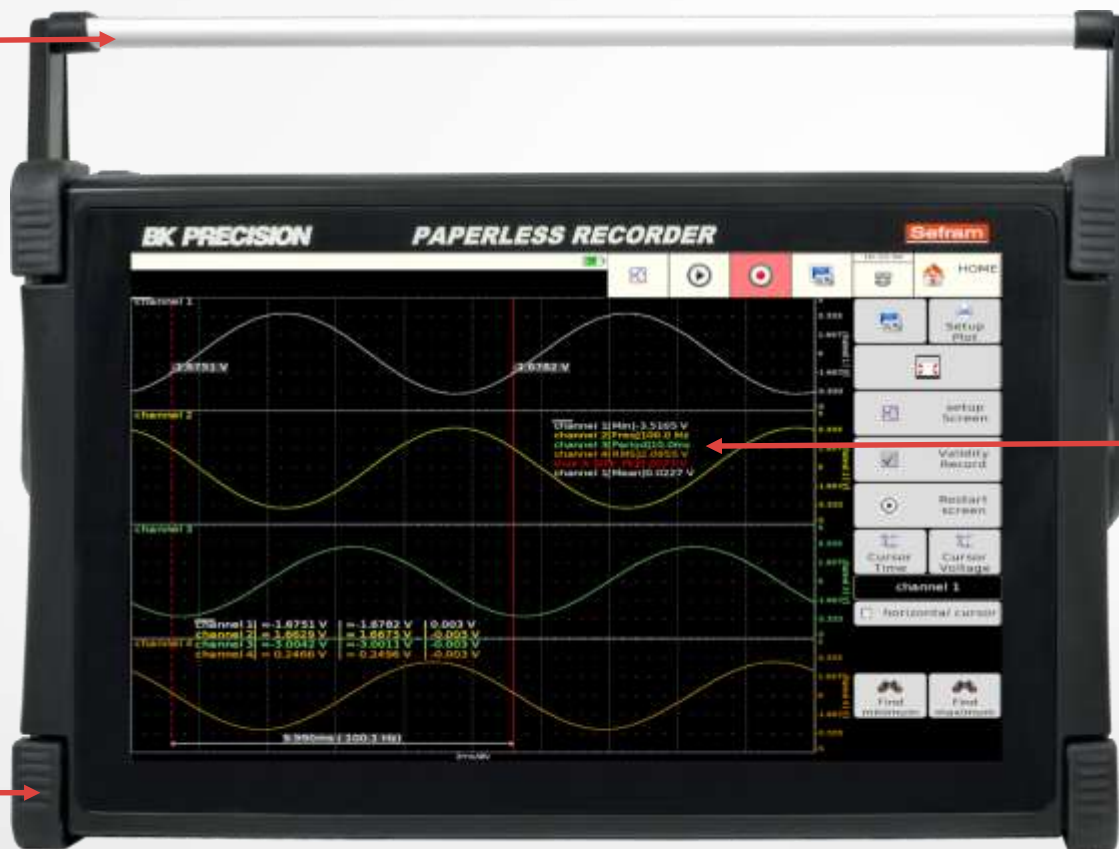


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# Front panel

Carry handle / stand



15,6" touchscreen

Protection bumper

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# Back panel



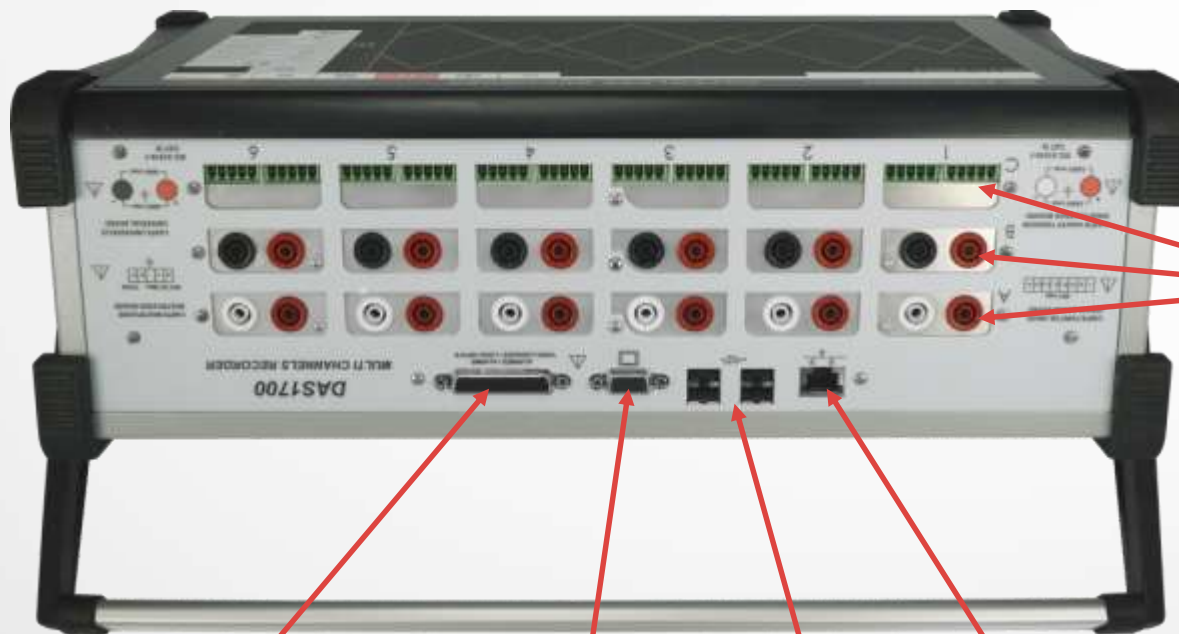
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# Interfaces



3 Boards slots as standard  
3 additional boards with extension module

I/O logic channels  
+ external power supply 12V

VGA output

USB host x4

LAN host





# Types of acquisition boards

Choose between 4 available boards and incorporate them to the DAS1700 according your measurement applications.

Type of board	Universal board	Multiplexed board	Strain bridge board	High voltage board
Number of channels	6 isolated channels	12 channels	6 isolated channels	6 isolated channels
Maximum DC Voltage	$\pm 500$ VDC	$\pm 50$ VDC	$\pm 50$ VDC	$\pm 1000$ VDC
Maximum AC RMS voltage	424 VAC <sub>RMS</sub>	-	-	1000 VAC <sub>RMS</sub>
Temperature: Thermocouples	✓	✓	✓	-
Temperature: Pt100 / Pt1000	-	✓	✓	-
Temperature: Pt200 / Pt500	-	✓	-	-
Sampling rate	1 MSa/s (1 $\mu$ s)	5 kSa/s (200 $\mu$ s)	100 kSa/s (10 $\mu$ s)	1 Msa/s (1 $\mu$ s)

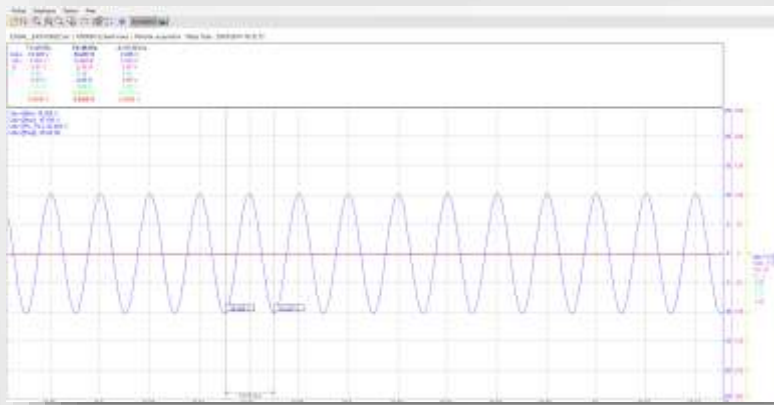
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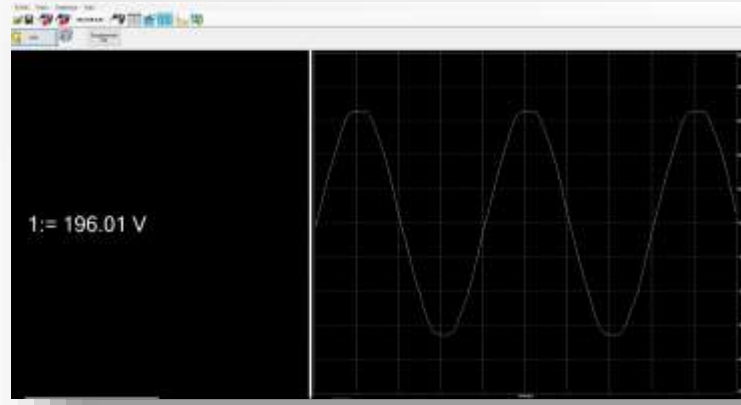


# Dedicated and free softwares



## ❑ Visualising software: SEFRAMVIEWER

- Display and analyse your recorded data.
- Use functions, cursors, and maths calculations presented according to your needs.
- Convert your data in .csv and text format for your personal post analysis.



## ❑ Remote control software: PILOT SEFRAM

- Create and load your configuration remotely from your computer.
- Download your data with FTP server.

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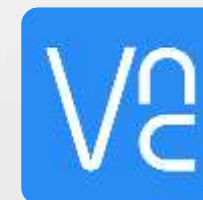
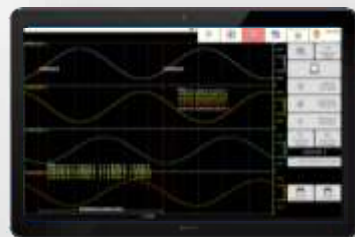
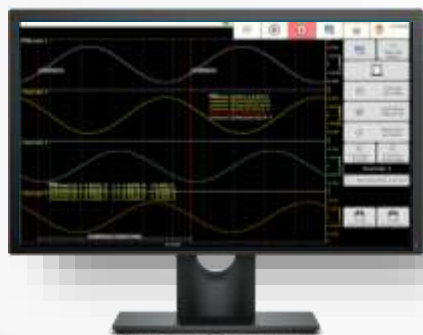
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# DAS1700 remote control with Wi-Fi

Thanks to the Wi-Fi option, plug your dongle into your device and control it from your computer, tablet or smartphone using VNC viewer.

- Duplicate the screen of DAS1700 on your computer, tablet or smartphone.
- Operate and take benefits from all the functionalities of the DAS1700.



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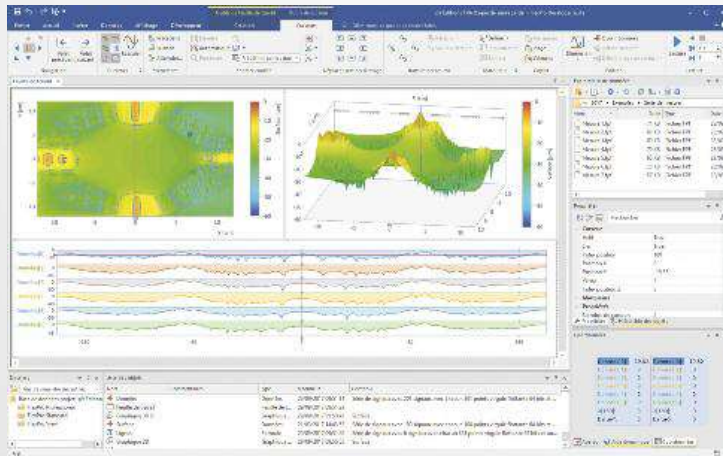




# FlexPro software

To go further with your analysis, the software FlexPro offer several licenses adapted to your needs.

- Optimize your time by automating your analysis and your test report redactions.
- Develop your own analysis algorithms.
- Take benefit from powerful maths calculations: spectral analysis, order analysis...



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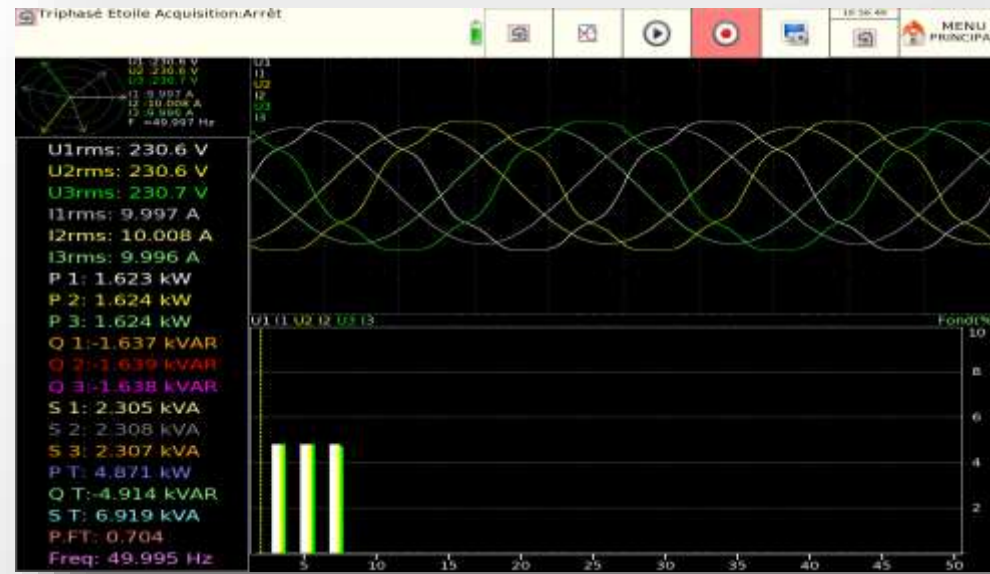
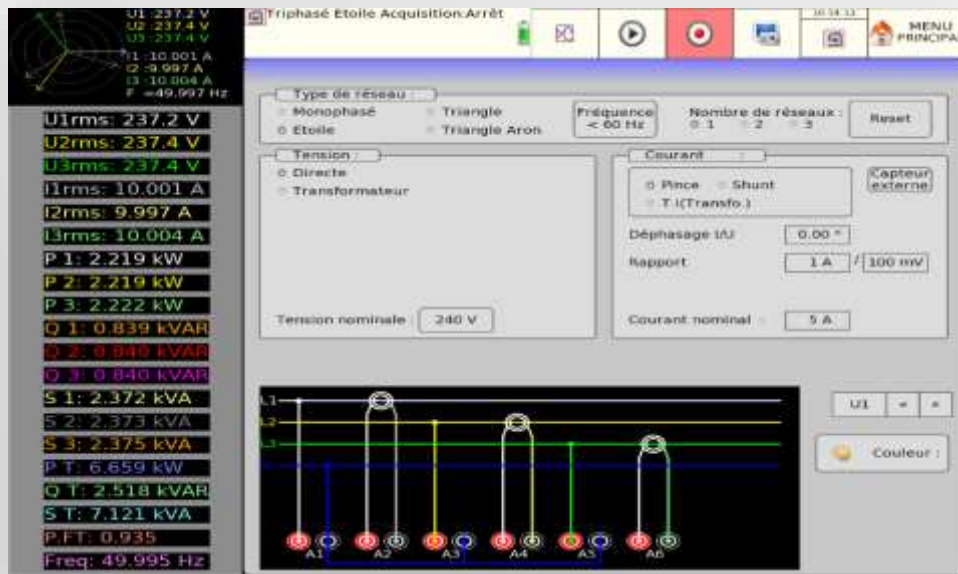
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# Power analysis dedicated mode

According to your DAS1700 hardware setup, you can analyse up to 4 three-phase power networks simultaneously.

- With intuitive configuration, the DAS1700 fits to any electrical installations (bandwidth up to 1 kHz) by guiding you with setup schematics.
- Complete power analysis characterization thanks to 61 indicators: Power factor, harmonics, active and reactive power...
- Record your data with high sampling rate of 200 $\mu$ s.



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# CAN / LIN Option

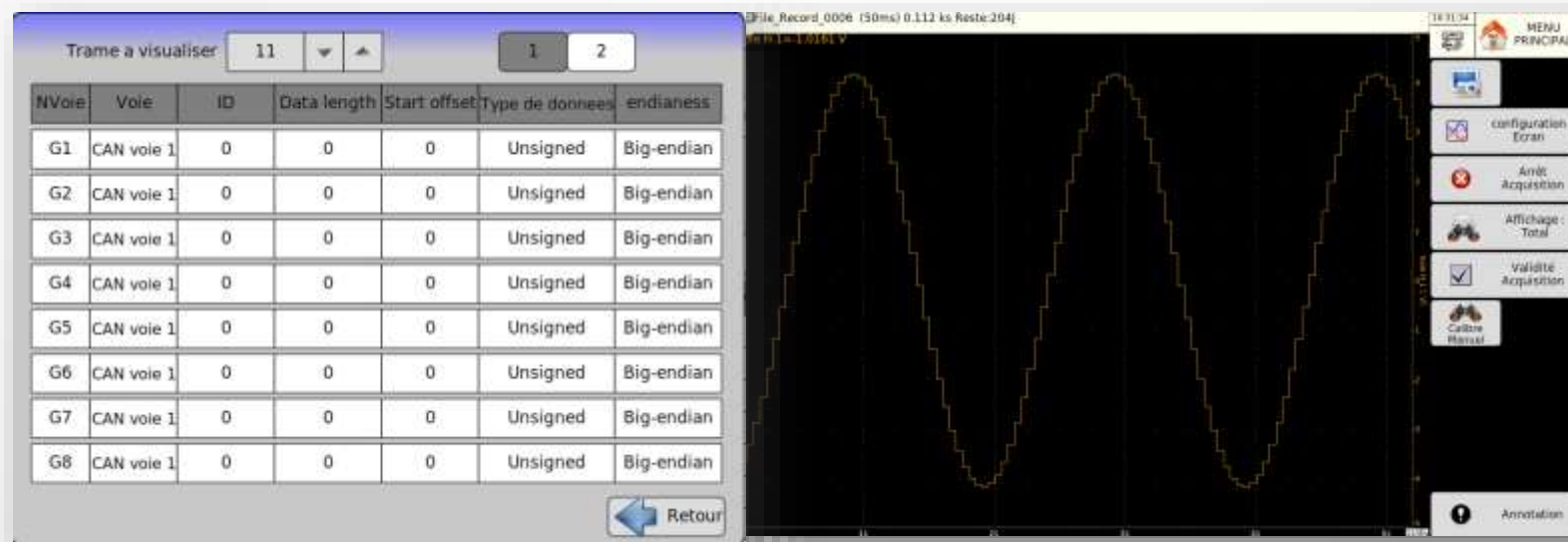
Integrate the CAN/LIN option to the DAS1700 in order to visualize and analyse the communication frames.

## Application fields

- ✓ Train and marine systems
- ✓ Automobile
- ✓ Construction equipments
- ✓ Medical equipments
- ✓ Industrial programmable machines

## DAS1700 purpose

- ✓ Frames recording, convertible into .csv format
- ✓ Digital signal converted into analogue signal: 16 channels simultaneously



➔ In compliance with CAN 2.0 A, CAN 2.0 B, CAN FD (8 MHz), LIN 1.3, LIN 2.X standards.

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# Included accessories

Carrying case  
917007500



Logic connector  
917006050



Power cord

EU 917006010 / UK 917006020 / US 917006030



12 banana plug connectors  
984401100 (provided with universal board)



12 screw connectors  
98402100 (provided with multiplexed board)



6 screw connectors  
984402550 (provided with strain bridge board)



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# Optional accessories

Logic module  
984405500



Banana plugs for logic channels  
984405000



Banana / BNC female adaptor  
SO415



Wi-Fi Dongle  
916004500



Shunts from 0,05A to 50A max  
98900X000



Flexible current clamp  
A1587



Découvrez plus d'accessoires disponibles sur notre site internet : <https://www.sefram.com/>

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# Ordering information

## Board references

- 984402000 : Multiplexed board - 12 multiplexed channel
- 984401000 : Universal board - 6 universal channel up to 500V
- 984402500 : Strain gauge board - 6 strain gauge channel
- 916006000 : High voltage board - 6 high voltage channel up to 1000V

## Factory options

- 917001000 : Extension option - add up to 3 extra boards in addition to 3 standard boards
- 917003000 : Battery option - Make the DAS1700 a standalone device with up to 2 hours of battery life
- 917005000 : IRIG option - Synchronize the time of your device with an IRIG time
- 917005500 : CAN / LIN option - Analyze CAN and LIN bus easily and simply
- 917002000 : SENT option - Analyze SENT sensors easily and simply
- 917009000 : Without fan option for specific environments
- 917009000 : 2TB memory extension
- 984402300 : High Impedance input option for universal board (10M $\Omega$ )

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