



- ➔ Dynamic Acquisition system for the test of new aircraft motor generations
- ➔ Aircraft embedded equipment
- ➔ Direct on motor mount capability

# AVAP3000™ series III System

## Technical Features

Unlimited versatile channels for signals acquisition from accelerometer IEPEV1 and V2 (27V/4mA), pressure, temperature, gage constraints sensors, +/- 10 V Analogue Sensor, tachometers, Irig-B,...

- Synchronization data with IEEE 1588 PTP V2 (+/-200 ns)
- Data storage on local SSD and on NAS by NFS
- Data signal processing
- Multiple Ethernet diffusion capability
- Real-time spectrum analysis, order tracking, alarms, etc.
- Real-time Ethernet link to aircraft telemetry to land station
- D38999 series III connectors
- DO160 & MIL-STD 461 compliant

## Front End Acquisition Equipment: BACQ

- Embedded Conducted cooled equipment
- 16 versatile channels acquisition
- Analogue Sensor Interface type
- Full, 1/2, 1/4, bridge, IEPE
- IEPE Input : per channel programmable until 27V or 20mA
- Bandwidth 40KHz
- Synchronization Measure with IEEE 1588 PTP V2 (+/-200 ns)
- Gain amplifier x 1 , x 10, x 100
- Data conversion 24 bits
- Input dynamic 90dB
- Operating temperature: [-55°C to 100°C]
- Size: 180 x 120 x 55 mm
- Weight: 1,8kg





### Data Processing Unit

- Data link to remote control unit: Ethernet 1Gb/s
- Operating temperature: [-20°C to +60°C]
- Size 300 x 320 x 73 mm
- Weight: 5,8kg
- Power Supply: 18-36 VDC - 100W

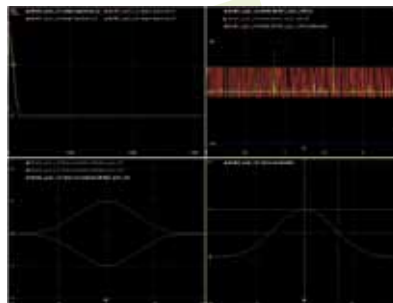


### Ethernet Switch for Front End Acquisition equipment: NETBACQ

- IEEE 1588 PTP V2
- 18 ports Ethernet switch (100/1000): 8 with POE+ function for BACQ
- Operating temperature: [-20°C to 60°C]
- Size: 300 x 320 x 110 mm
- Power Supply: 18-36 VDC - 200W

### Remote control

- AVAP3000™ series III Software for Linux & Windows 7
- MMI for mission configuration & data visualization
- > Real time display with filtering and FFT capabilities
- > Replay one selected time frame
- > Data export to format CSV, Matlab, series III & custom files



FRANCE × GERMANY × CANADA × USA × MOROCCO



**Lyon / Head Office:**  
 4 chemin du Ruisseau - 69134 Ecully - France  
 +33 (0)4 72 18 08 40 - sales@adetelgroup.com



[www.adetelgroup.com](http://www.adetelgroup.com)