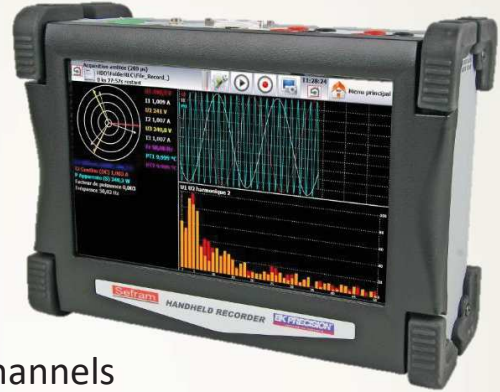


DAS 30 / 50 / 60

POWER ANALYSIS

DAS 30 / 50 / 60 combines the advanced features of the a Data Acquisition system with a powerful Power Analysis tool that can analyse a 3-phase AC power network at 50 Hz and 400 Hz.



Data Acquisition features:

- High speed sampling rate a 1 MSa/s for up to 6 channels
- Maximum Voltage of 500 V and 424 V rms
- PWM measurement

Power Analysis features:

- 3 inputs for Voltage (direct input up to 500 V) and 3 inputs for Current (with Clamp)
- Voltage and Current measurement: TRMS, Peak, Peak Factor, Continued
- Power measurement: Active, Reactive, Related, Combined
- Harmonic: Voltage and Current up to 50th rank
- Total Harmonic distortion measurement: Voltage and Current
- Motor starting Current (inrush)
- Fresnel diagram
- Power Factor measurement

Why is 400 Hz a main feature?

Aircrafts, server rooms, military equipment and handheld machine tools use 400 Hz power frequencies in their components. This allows the speed of motors to be 8 times higher and at the same time motors and transformers can have their size and weight reduced, being a clear advantage to vehicles, especially in aircrafts and ships.

