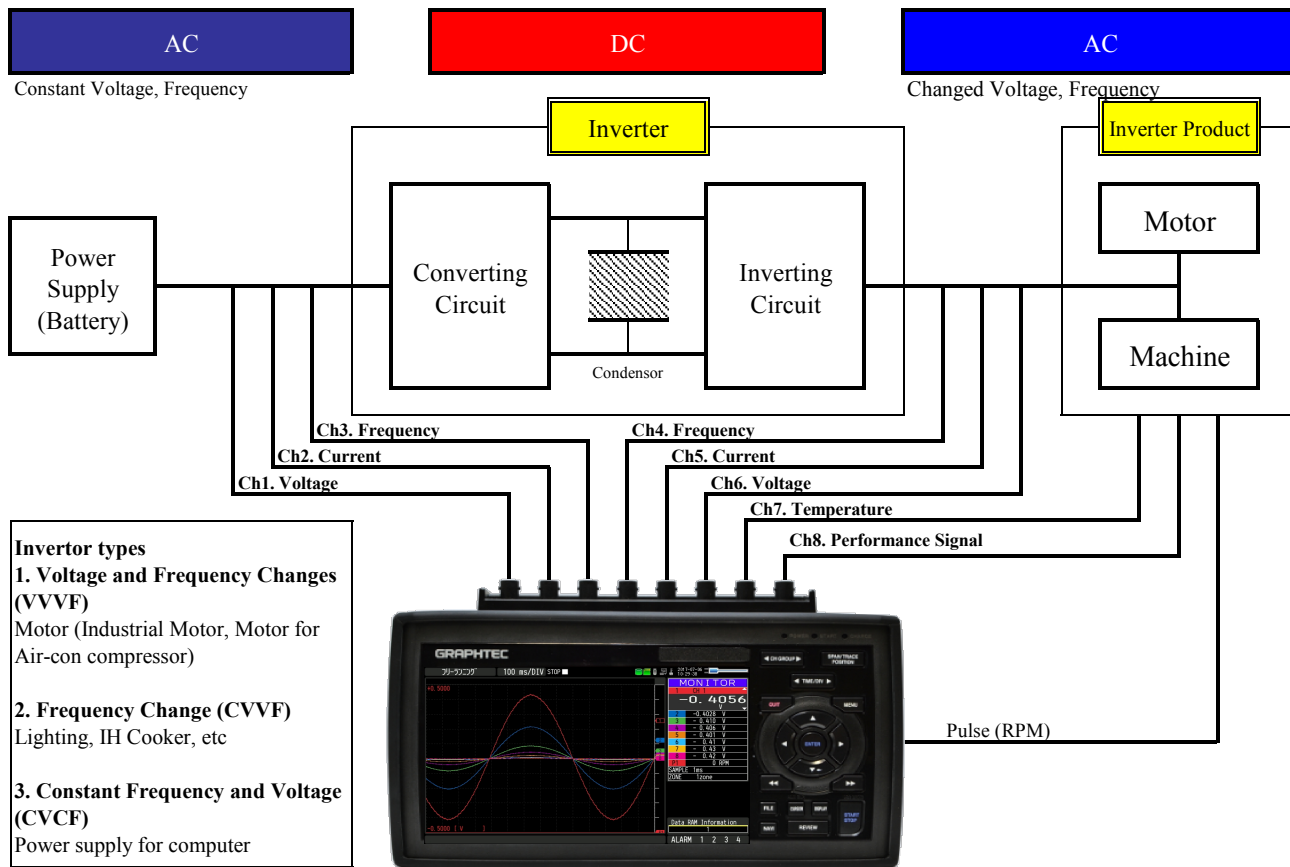


Inverter Evaluation Test (GL980)

-GL980 High Speed (Single Phase) Midi Logger-

Proposal for inverter performance



Inverter types

1. Voltage and Frequency Changes (VVVF)

Motor (Industrial Motor, Motor for Air-con compressor)

2. Frequency Change (CVVF)

Lighting, IH Cooker, etc

3. Constant Frequency and Voltage (CVCF)

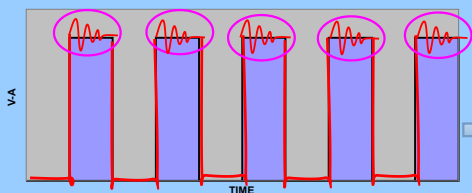
Power supply for computer

Why choose Graphtec GL980?

Point 1: High speed 1 MS/s simultaneous sampling

Max 1MS/s (us) all the channels simonteniously.

Not only **High Speed**, but also **High Resolution (16 bits)!!**



What can be used for?

See urrent flucturation on inverter testing

Point 2: 8ch Voltage/ Temperature Multifunction Input Measure High speed voltage with other phenomenon (Temp.)

Pulse/ Logic
Pulse 4ch : Accumulate
Instntinuous, RPM
Logic 4ch

Voltage
8ch
20mV~500V, 1-5V
RMS 10mVrms ~250Vrms

Temp.
8ch
T/C: K,J,E,T,R,S,B,N,W (Wre5-26)

Humidity
0~100%



What can be used for?

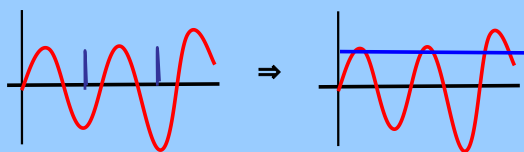
Measure the performance data for not only inverter itself, but also additionally measure the inverter product performance.

Point 3: Individual Sampling Speed for Pulse and Analogue input

The Rotation is slow, but analogue sampling need to be high speed.

Same Sampling Speed

Individual Sampling Speed



RPM Signal (10us)
Analogue Signal (10us)

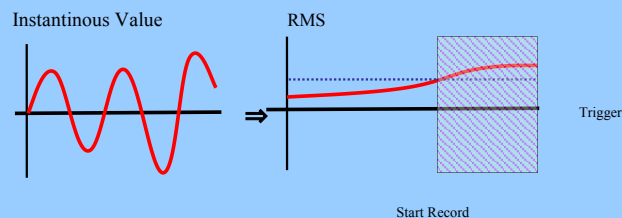
RPM Signal (10ms)
Analogue Signal (10us)

What can be used for?

Actual RPM trend can be monitor (Especially for Slow RPM)

Point 4: Realtime RMS (Root Mean Square) Measurement

Detecting AC Voltage fluctuation in RMS
Setting trigger when irregular signal happen



What can be used for?

Only record irregular signal from Inverter "IN" and "OUT"