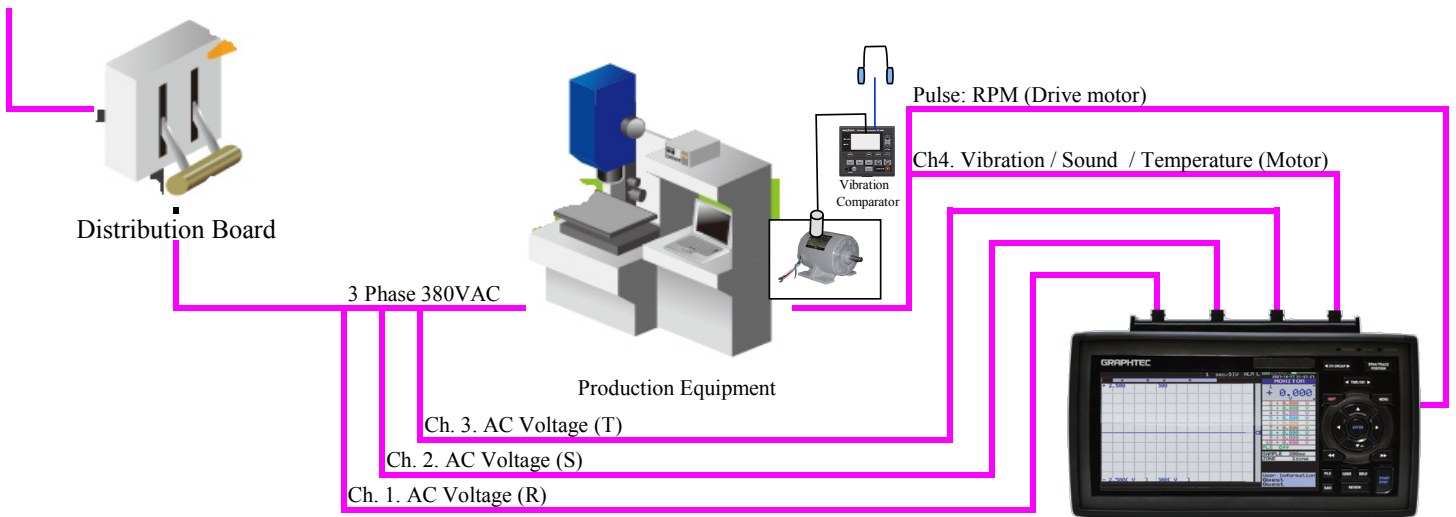


Production Equipment Evaluation

-GL2000 High Voltage (3 phase) Midi Logger-

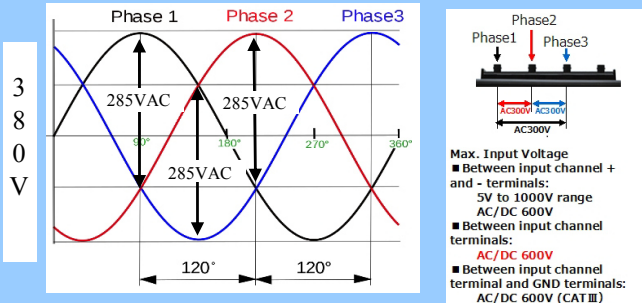
Proposal for preventive and corrective maintenance



Why choose Graphtec GL2000?

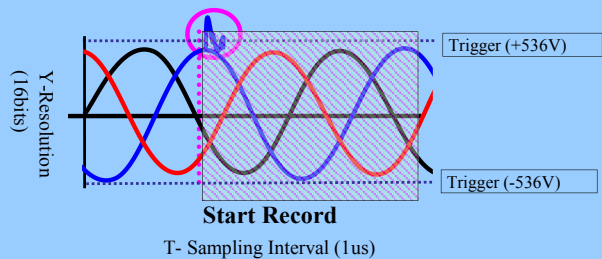
Point 1: Three-phase power supply waveform measurement
Support 3-Phase 380V 50Hz Measurement (Typically in Factory)

High withstanding voltage upto AC/DC 600V



What can be used for?
Monitoring for 3-Phase 380V

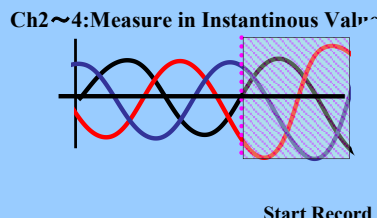
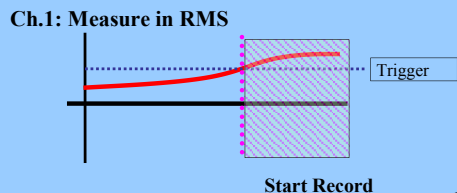
Point 2: High speed 1 MS/s simultaneous sampling
Max 1MS/s (us) all the channels simonteniously.
High speed & High Resolution that can be seen!!



High Resolution means?
Oscilloscope 4 bit ($2^4 = 16$ div) Data Logger 16bit ($2^{16} = 65,536$ div)
8 bit ($2^8 = 256$ div)

What can be used for?
Fast and micro variation: (Noise from power surge (Switching surge, Lighting surge)

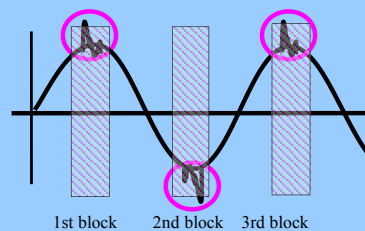
Point 3: Realtime RMS (Root Mean Square) Measurement
Detecting AC Voltage fluctuation in RMS. Setting trigger when irregular signal happen.



Easy to set trigger
Data Size will be smaller

What can be used for?
DIP (Voltage Drop), Momentary Stop

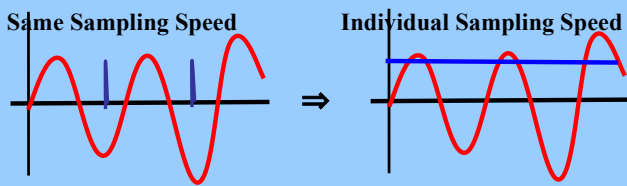
Point 4: Block Segmentation of Built-in RAM
4MW RAM Memory will divide into 1, 2, 4, and 8 blocks
Multiple events can be recorded!!



- 1. Block Segmentation**
Max. 8 events can be recorded
- 2. Overwrite(Continuous)**
New data saved and old date will be deleted.
- 3. Auto-back-up**
RAM data will be auto-copy to Internal Flash memory

What can be used for?
We don't know when it will happen. Multiple event will happen.

Point 5: Individual Sampling Speed Setting for Pulse and Analogue input
 The Rotation is slow, but analogue sampling need to be high 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 6: Portable Design
 Light weight, Battery operation, and tough design for on-site use

Battery Operation
 1 piece : 5 hrs
 2 pieces : 10 hrs

Protection Cover
 Drop & Shock



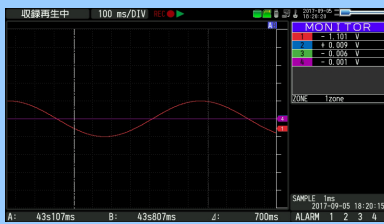
Light Weight:1.4kg
 250(W)x 161(H)x80(D)mm

In compliance with JIS
 Vibration Test Method for
 Automobile Type 1 Class A.

What can be used for?
 Hand carry to on-site measurement.

Point 7: On-site Data Review

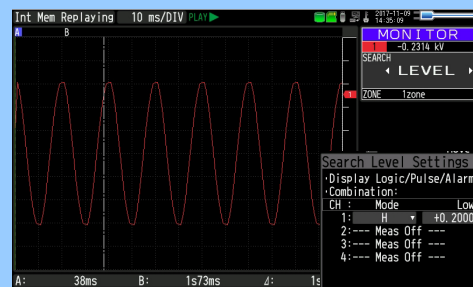
Recorded data can be check on device (PC Free). 7.0 TFT (Wide Display) that can be seen!



■ Data can be review while recording

CH	VALUE	Max	Min	P-P	Ave
CH1	-1.081 V	+ 2.009	- 2.008	+ 4.017	+ 0.003
CH2	+ 0.003 V	+ 0.015	- 0.010	+ 0.025	+ 0.001
CH3	- 0.001 V	+ 0.013	- 0.013	+ 0.026	- 0.001
CH4	+ 0.002 V	+ 0.014	- 0.012	+ 0.026	+ 0.001

■ Statistical Calculation



■ Search Level

What can be used for?
 The recorded data can be seen on-side. Simple analyze can be done on machine.

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