

Making **WCA mini** a simpler **FFT Analyzer**

Setup Wizard

Simplifying WCA mini

- WCAPRO software now includes a setup wizard as a standard feature.
- Setup time until measurement has been reduced substantially.
- Required mouse operations have been halved.

Simple with high performance



Analysis menu of Wizard format

Please choose the using channels and Analysis Mode.

Using Channels: 4

Analysis Mode:

- FFT**
Analysis of stationary sound and vibration
- Waterfall**
Three-dimensional analysis of spectrum arranged in order of recording (handles sound, vibration and other phenomena)
- Impact Testing**
FRF measurement (resonant frequency)
- Octave(FFT)**
Analysis of stationary
- Octave(Digital Filter)**
*Optional feature (requires Real-time Octave Analysis)
- Order Tracking**
Analysis of sound and vibration following change in revolutions.
*Optional feature (requires 2D Tracking Analysis)
- Open Setup File

① Sensor Setting

After channel choose, please set sensor sensitivity.

Setup Channel
1 : Reference
Vpeak 1.414 (V)

Sensor with built-in charge amplifier. (ICP ON) TEDS Ver. 1.0 TEDS

Unit is displayed in Voltage.

Accelerometer 1.000E+00 (V)= 1.000E+00 m/s2

Microphone 1.000E+00 (V)= 1.000E+00 Pa

Other sensors 1.000E+00 (V)= 1.000E+00 EU

Using A-weighting

Back All Channel Same Setting Next

② Analysis Condition Setting

Please set Trigger Condition and Analysis Frequency.

Trigger Condition
Type No Triggerer
Ch. Trigger 1 Trigger Ch. 1 Trigger Level (WF.S) 0.00 Pre-Trigger (mSec) 0.00
Time Trigger Start Time (Sec) 0.0000000 Interval (Sec) 0.1250000

Window
 Hanning None Averaging Linear Frequency Peak Hold

Sampling
Frame Size 1024 Analysis Frequency 5000 Increment 12.50 Hz Frame Count 30

Back Next

③ Acquisition/Function Setting

Please set the function that you want to analyze.

Plot Format Plot1-4

Plot Window - 1
Spec Ch 1

Plot Window - 2
Spec Ch 2

Plot Window - 3
Spec Ch 3

Plot Window - 4
Spec Ch 4

Back Next

④ Destination File Setting

To save the acquisition data, click the "Saving file" button. You should specify the name and saving directory for the saving data.

Saving file

About operation after the WCAPRO Setup Wizard end -
When pushed the ACQD button of the system palette, WCA start to acquire.
After the acquisition end, open the "Function Storage" from the "Window" menu in the menu bar, you can do to save the data.

Back Save End

Features

- Setup complete with only four menus. (Five for Order Tracking)
- Easy-to-use GUI with fewer setup items for FFT beginners.
- Data measurement is executed easily without a manual and training.

Front-end compatible with CompactWCA 16ch system.

WindowsXP/Vista/7/8/8.1 compatible.

WCA is a registered trademark of A&D Company, Limited.

Specifications are subject to change without prior notice.