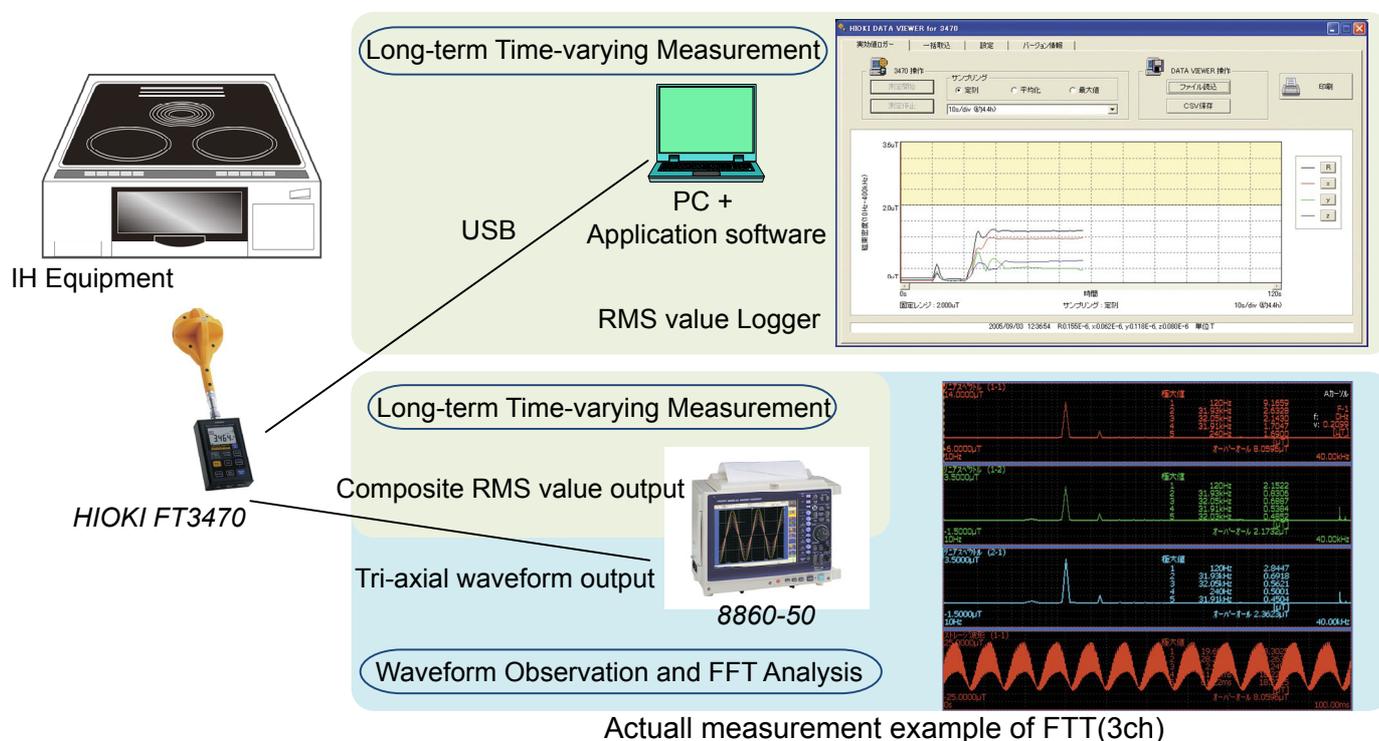


Time-Varying Magnetic Field Measurement of IH Equipment

Long term recording and waveform recording plus analysis of time-varying magnetic field of induction heating (IH) equipment.

Highlights

- Observe the waveforms of the time-varying magnetic field of IH equipment, analyze FFT data, and measure the RMS values for a long period of time using the output and USB connectors of the HIOKI Magnetic Field HiTester.
- Long-term time-varying measurement can be performed by connecting the Magnetic Field Tester to a PC with a USB cable and using application software.
- Long-term time-varying measurement, waveform observation, and FFT analysis can be performed by connecting the Magnetic Field Tester to a Memory HiLogger or Memory HiCorder.



1. Long-term Time-varying Measurement

Connect the magnetic field tester to a PC with a USB cable and record the tri-axial and composite RMS values using the application software. Set the output of the magnetic field tester to composite RMS value output, connect the output to the 8860-50 Memory HiCorder, and record the tri-axial and composite RMS values.

2. Waveform Observation and FFT Analysis

Set the output of the magnetic field tester to tri-axial waveform output and connect the output to the memory recorder. Observe the waveforms and analyze the FFT data with the recorder.

Products used

MAGNETIC FIELD HiTESTER FT3470 Series

MEMORY HiCORDER 8860-50

HIGH-RESOLUTION UNIT 8957