HIOKI Model 8807-51 and 8808-51 Firmware Defect Details

Erroneous saving of time series text data (scaling not applied)

<u>Affected Versions:</u>

- 5.00 to 5.14 (released between 5/28/01 and 6/29/06)

<u>Details:</u>

- When using time-series measurement of the Harmonic function, scaling is not applied to waveform data saved in text format.
- An example of the defect is shown on Enclosure Sheet 2.

<u>Defect Example:</u>

- The following settings are made with the Harmonic function enabled:

  On the Status Screen, the Analysis Mode is set to Time Series

  On the Channel Screen, scaling for CH1 is enabled (ON)

  For the channel with scaling enabled, the PT ratio (for voltage) is set to 100.00

- With the above settings, data measured at about 104 Vrms and saved in text format to a PC Card has the following values.

	Example of defective data saved (before defect correction)	Example of correct data saved (after defect correction)
Data	"Harmonic Waveform Analysis (Time Series)" "Trigger Date", "Fundamental Frequency" "06-09-21 11:28:09","50.0Hz" "Date","RMS value (CH1:1)" "","V " "09-21 11:28:09",**+1.0431E+00** "09-21 11:28:13",**+1.0426E+00** "09-21 11:28:17",**+1.0425E+00** "09-21 11:28:21",**+1.0428E+00** "09-21 11:28:24",**+1.0427E+00** …	"Harmonic Waveform Analysis (Time Series)" "Trigger Date", "Fundamental Frequency" "06-09-21 11:28:09","50.0Hz" "Date","RMS value (CH1:1)" "","V " "09-21 11:28:09",+1.0431E+02 "09-21 11:28:13",+1.0426E+02 "09-21 11:28:17",+1.0425E+02 "09-21 11:28:21",+1.0428E+02 "09-21 11:28:24",+1.0427E+02 …
Remarks	Because the PT ratio (scaling) is not applied, data is 1/100 of the correct value.	Correct data is saved.