HIOKI

Non-load Loss Measurement of Transformers

To conserve energy, we need to reduce power loss. Use HIOKI Power HITESTERs to test non-load current and non-load loss of transformers in order to evaluate and improve the efficiency of transformers for distribution.

Highlights

- Non-load measurement distorts the current waveform, increases the crest factor (wave Height rate), and reduces the power factor. Accordingly, it is ideal to use the following power meters for measurements.
- Measurement ranges can be switched at the peak current value in auto range mode.
- Measurement from a low power factor is possible and accuracy is guaranteed.



*For details on the measurement procedure, please check the following standards and other documents.

JIS C4306-2013	6 kV mold transformer for distribution
JIS C4304-2013	6 kV oil-immersed transformer for distribution
IEC60076-1	Power transformers - Part 1: General

Products used

Power meter for single-phase transformer: POWER METER PW3335 (with LAN, RS-232C) AC/DC POWER HITESTER 3334 (with RS-232C)

Power meter for three-phase transformers: POWER METER PW3336 (2ch, with LAN, RS-232C) POWER METER PW3337 (3ch, with LAN, RS-232C)