

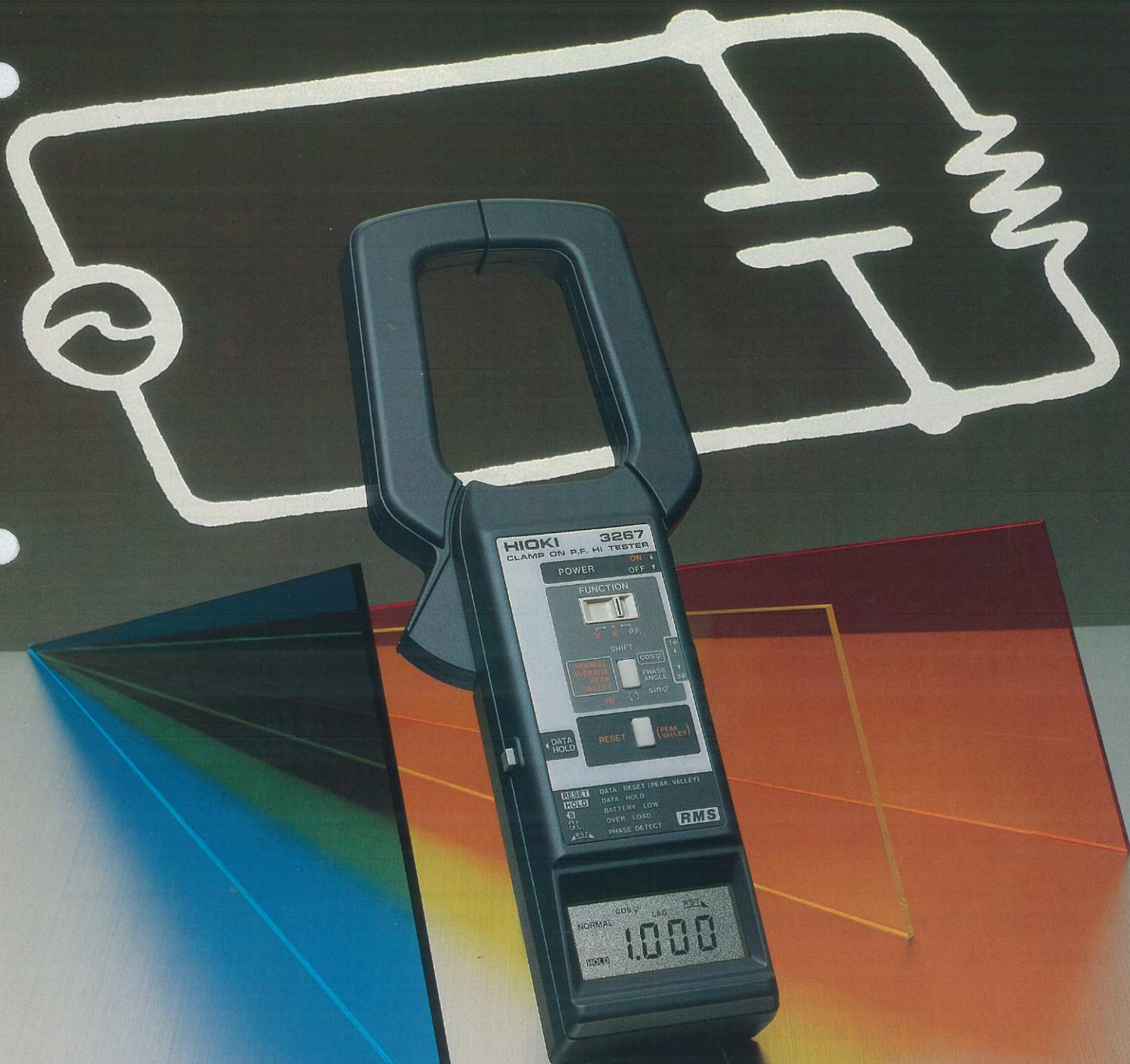
CLAMP ON AMMETER

HIOKI

CLAMP ON P.F. HI TESTER

3267

Clamp Current Meter with Power Factor Testing Function



Clamp-on power factor meter for checking single and three phase power

Measure Power Factor, Phase Angle, Reactivity, Phase Detection, and Frequency as well as voltage and current.

Here is the answer to anyone who has ever wondered "Why isn't there an easier way of measuring electrical line and equipment power factors?" The Clamp-On P.F. Hi-Tester 3267 was developed especially to meet this need.

● Measures power factor, phase angle, reactivity, and phase detection.

Equipped with built-in phase testing functions that provide:

- Direct power factor read-out for single-phase or 3-phase current,
- Phase difference between voltage and current,
- Reactivity for computing reactive power, and
- Phase sequence in 3-phase circuits.

● True RMS display and frequency counter.

Displays true RMS for distorted waveforms, as well as ordinary AC voltages and current. Also equipped with a 10 Hz ~ 999 Hz frequency counter.

● Data hold function.

The 3267 is equipped with a data holding function that makes it easy to obtain values from tight spots where the display panel is not visible during testing.

● Peak and valley hold function. Averaging display mode.

One of the 3267's functions automatically holds and displays peaks and valleys obtained while measuring voltage, current, and power factor. Its averaging mode, which displays averages over a 4-second period, is convenient when testing lines with large fluctuations.

● Measures bus bars and thick cables.

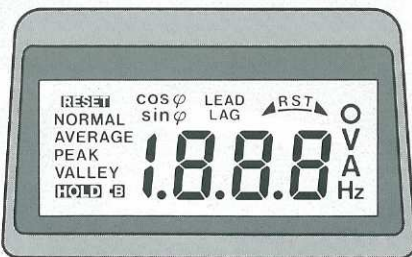
Despite its compact, handy size, the 3267 readily performs tests on bus bars, etc., with diameters of up to 55mm and widths up to 80mm.

● Handy Clamp-on type.

The 3267 is a digital, handy-type, clamp current meter with a built-in power factor testing function. It is a clamp-on tester, so power factor and current are easily measured without disconnecting existing lines.



V-A: NORMAL/AVERAGE/PEAK/VALLEY/Hz
P.F.: cos ϕ
(NORMAL/AVERAGE/PEAK/VALLEY)
PHASE ANGLE, sin ϕ



● All display indicators.

Test range selection is fully automatic. To ensure error-free interpretation, variables such as the test function, mode, and unit are displayed on the tester's display panel, along with ancillary functions such as a battery warning and reset mark.

● Optional data recording capability.

When used with the optional 9309 output converter, the 3267 lets you keep records of test results.

■ General specifications

Operation: Sequential comparative
Display: LCD, max. "9999"

(Max. "1000" for cos ϕ "900" for phase angle.) "000" displayed up to 5 count with AC current/voltage measurement. Unit display.

Display hold: Meter data locked by pressing push-switch.

Detection: True RMS.

Range selection: Fully automatic.

Input overload: O.L.

Battery warning: \square mark lights.

Sampling rate: Approx 2 times/sec

(averages displayed 1 time/4sec).

Peak/valley holding: Circuit time constants are approx 160 msec for cos ϕ , approx 120 msec for A-V.

Frequency characteristic:

Current: $\pm 2\%$, 40 Hz to 1 kHz

Voltage: $\pm 1\%$, 40 Hz to 1 kHz

Thermal characteristic:

Power factor: $\pm 2\%$, 0°C to 40°C

Current/voltage: $\pm 1.5\%$, 0°C to 40°C

Effect of external magnetic fields:

1.5A for magnetic field strength of 400 A/m.

Effect of conductor position: Within $\pm 2\%$

for any location within core.

Crest factor: 2.4 or less at f.s. of each range.

Operating temperature/humidity: 0°C to 40°C, 80% RH max (no condensation).

Maximum input: 850 Vac (wave peak)/1500 Aac (2 minutes or less with max 600 V line voltage).

Dielectric strength: 2.5 kVAc/1 minute.

Power supply: One 006P battery (about 45 mW; continuous use, 60 hours).

Dimensions: 258H \times 63W \times 40D mm, about 670 g.

Accessories: 9176 voltage test leads, one 006P battery, four 0.5 A fuses, 9355 case.

■ Measurement range

(23°C. $\pm 5\%$, 80% RH maximum, 50/60Hz)

Function	Mode	Range	Accuracy	
P.F.	cos ϕ (Power factor)	NORMAL AVERAGE PEAK VALLEY	LEAD 0 ~1 ~LAG0	$\pm 3^\circ \pm 2\text{dgt.}$ •Single-phase and 3-phase lines (balanced load) •Effective measurement range (voltage): 80 to 600V. •Effective measurement range (current): 200 to 1000A.
	sin ϕ (Reactivity)			
	Phase angle		LEAD90° ~ 0 ~ LAG90°	$\pm 3^\circ$
	Phase detection (3-phase)		Normal, reverse, Phase lack display	
AC A	NORMAL AVERAGE PEAK VALLEY	100/1000A 1000A	$\pm 1.0\%$ rdg. $\pm 3\text{dgt.}$	
	Hz	100/1000Hz (10 ~ 999Hz)	$\pm 0.3\%$ rdg. $\pm 1\text{dgt.}$	
	AC V	NORMAL AVERAGE PEAK VALLEY	100/600V 600V	$\pm 1.0\%$ rdg. $\pm 3\text{dgt.}$ (Input resistance Approx 1M Ω)
		Hz	100/1000Hz (10 ~ 999Hz)	$\pm 0.3\%$ rdg. $\pm 1\text{dgt.}$ (Input resistance: Approx 1M Ω)

● Optional accessories

CT-101A line splitter

9131 clamp adapter

9309 output converter (9309 requires a rated 11.5 \pm 1V, 75 mA AC adapter power supply)

Standard packing (double carton box)

	Sets	N.W.kg	G.W.kg	M ³
3267	10	11	14	0.1

HIOKI E.E. CORPORATION

DISTRIBUTED BY

HEAD OFFICE: P.O. Box 1, Sakaki, Nagano, 389-06 Japan.
Tlx: 3327508 HIOKI J / Cable: HEWLOV, Ueda
Tel. (0268) 82-3030 / Fax. (0268) 82-3215

HIOKI-RCC, INC.: 198 Route 206 South Somerville, N.J. 08876 U.S.A.
Tel. (201) 874-6484