

CLAMP ON AMMETER

HIOKI

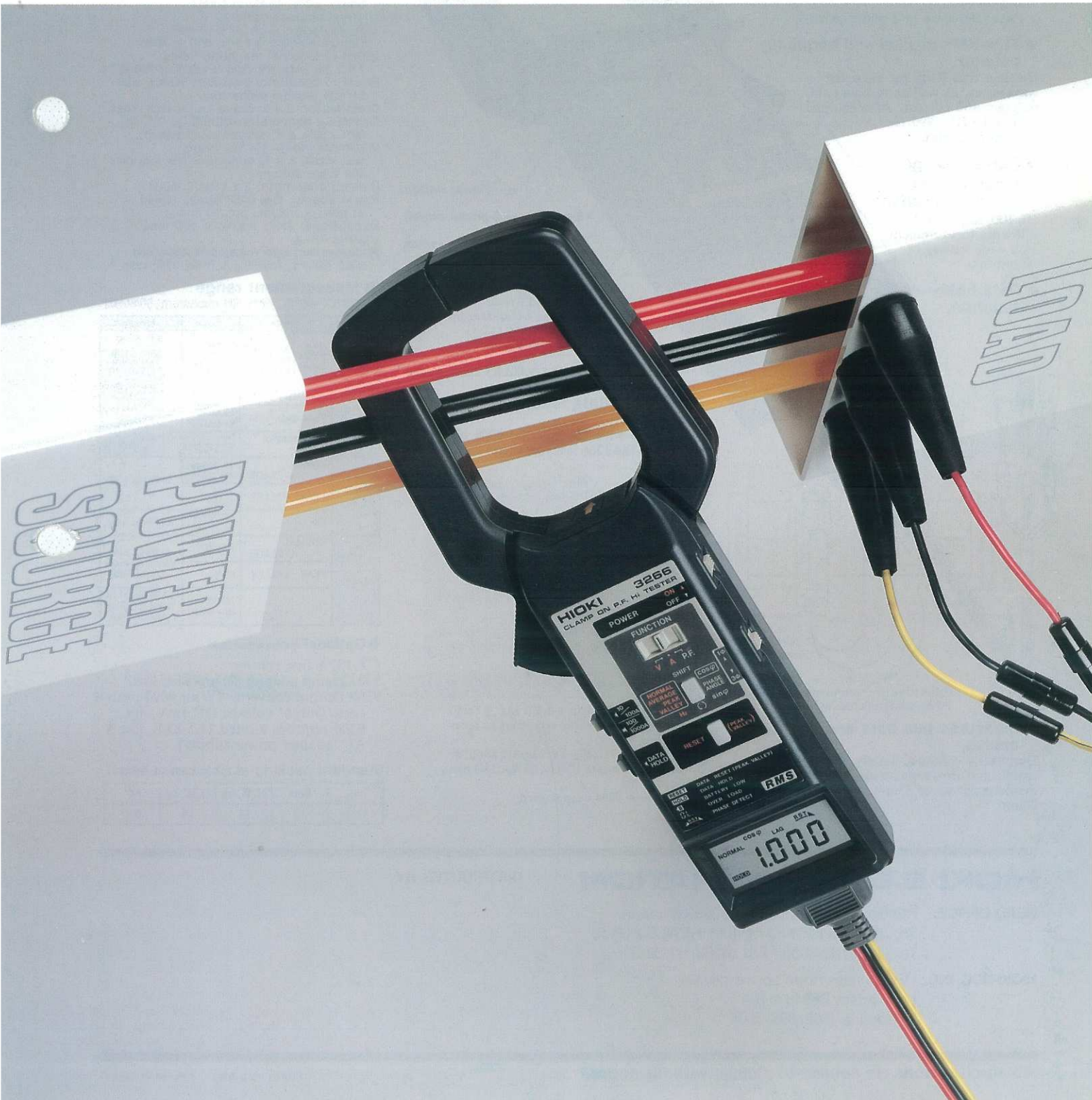


CLAMP ON P.F. HI TESTER

3266

10A range for 10mA resolution

Direct power factor readout on single or 3-phase lines



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

10, 100, and 1000 A ranges for wide-range coverage

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 3266 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.

Current range selector has three positions

10, 100, and 1000A - allowing measurements in a wide variety of situations.

Data hold function.

Peak and valley hold function. Averaging display mode.

One of the 3266'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.

General specifications

Operation: Sequential comparative

Display: LCD, max. "999"

(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. (Except for current)

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:

Within $\pm 2\%$, 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:

1.0 A 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 (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 0.3 A fuses, 9355 case.

Measurement range

(23°C. $\pm 5^\circ\text{C}$., 80% RH maximum, 50/60Hz)

Function	Mode	Range	Accuracy
P.F.	cos ϕ (Power factor)	NORMAL AVERAGE PEAK VALLEY	LEAD 0 ~1 ~LAG0 $\pm 3^\circ \pm 2\text{dgt.}$
	sin ϕ (Reactivity)		$\pm 3^\circ \pm 2\text{dgt.}$
	Phase angle	LEAD90° ~ 0 ~ LAG90°	$\pm 3^\circ$
	Phase detection (3-phase)	Normal, reverse, phase lack display	
AC A	NORMAL · AVERAGE	10/100A 100/1000A	$\pm 1.0\%$ rdg. $\pm 3\text{dgt.}$
	PEAK · VALLEY	100A 1000A	
	Hz	100/1000Hz (10 ~ 999Hz)	$\pm 0.3\%$ rdg. $\pm 1\text{dgt.}$
AC V	NORMAL · AVERAGE	100/600V	$\pm 1.0\%$ rdg. $\pm 3\text{dgt.}$ (Input resistance Approx 1M Ω)
	PEAK · VALLEY	600V	
	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 (for large power lines)

9309 Output converter (With 9094 output

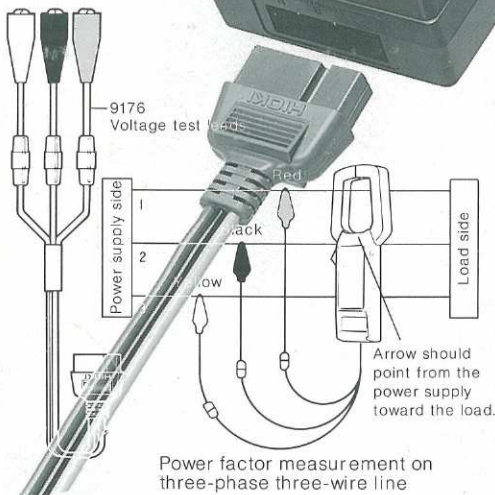
cord/Output voltage DC 1mV/dgt.,

9309 requires a rated 11.5 \pm 1V, 75mA

AC adapter power supply).

Standard packing (double carton box)

	Sets	N.W.kg	G.W.kg	M ³
3266	10	11	14	0.1

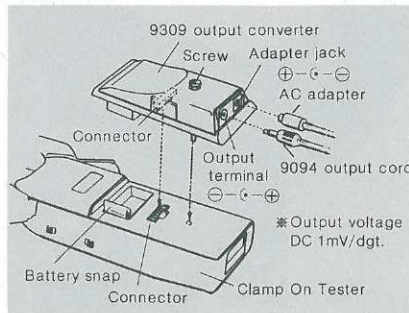


Measures bus bars and thick cables.

Despite its compact, handy size, the 3266 readily performs tests on bus bars, etc., with diameters of up to 55mm and widths up to 80mm.

Optional data recording capability.

When used with the optional 9309 output converter, the 3266 lets you keep records of test results.



Data output: 1mV/dgt. ($\pm 0.3\%$ rdg. $\pm 1\text{mV}$)

Output response: Varies according to tester

sampling rate

Power supply: 11.5V \pm 1V; use AC adapter

Dimensions weight: 100H \times 60W \times 35D mm ·

approx. 70g

Accessories: 9094 output cord

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