

## 3133•3134

### CLAMP ON POWER HI TESTER



#### Measurement of voltage, current and reactive power also supported.

Double-power measurement method can measure active power even for unbalanced lines.

Can also measure inactive power (balanced), current and voltage.

2-channel output terminal provided.

## 3135•3136

### CLAMP ON POWER HI TESTER



#### Measurement from single-phase through triple-phase, four-lead lines.

Triple power meter method can handle not only triple-phase four-lead lines, but also 3-lead balanced and unbalanced power current, and phase voltage.

1-channel output terminal provided.

#### ■ SPECIFICATIONS

Item	3133	3134	3135	3136	
Display	3½ digit (1999) LED				
Effective Power	400V 200V 100V	20k/200kW (250A•500V)	200k/1000kW (1000A•500V)	20k/200kW (250A•600/√3)	200k/1000kW (1000A•600/√3 V)
Reactive Power	20k/200kvar	200k/1000kvar	20k/200kvar	200k/1000kvar	
Voltage	200/500V		200/600V		
Current	20/200A	200/1000A	20/200A	200/1000A	
Accuracy	±1% rdg. ±0.5% f.s. (at cosφ=1)				
Max. Input Voltage	500V		350/600V (phase voltage/AC voltage)		
Output Terminal Voltage	0 to 2V (Output resistance 50Ω) × 2		0 to 2V (Output resistance 50Ω)		
Clamp-on Sensor	*9001	*9002	*9001	*9002	
Frequency Response	40Hz to 500Hz ±1% (at cosφ = 1)		40Hz to 500Hz ±1.5% (at cosφ = 1)		
Effect of Power Factor	±1.5% (at cosφ = 0.5)				
Temperature Coefficient	±0.1%/°C (at 0 to 40°C)				
Effect of External Magnetic Field	±0.5% of 400 A/m				
Effect of Conductor Position	What-ever position within the clamp core, ±1% deviation of the full scale value				
Power Supply	100V • 120V • 220V • 240V AC about 2.5VA (Specify at order)		100V • 120V • 220V • 240V AC about 4.5VA (Specify at order)		
Dimensions	150H × 215W × 300D mm Approx. 5.5kg				
Accessories	Clamp On Sensor (2) Sensor Case (1) Voltage Cords (1) Midget Fuse 0.3A (2), 0.5A (2)		Clamp On Sensor (3) Sensor Case (1) Voltage Cords (1) Midget Fuse 0.3A (3), 0.5A (1)		

- RMS type (voltage and current), specify at order (option)

#### Optional Accessories

3141 Integrator

3171 Digital Printer (The 3141 is needed when connecting the 3171.)

## OPTIONAL ACCESSORIES OF POWER METER

### 3141 INTEGRATOR

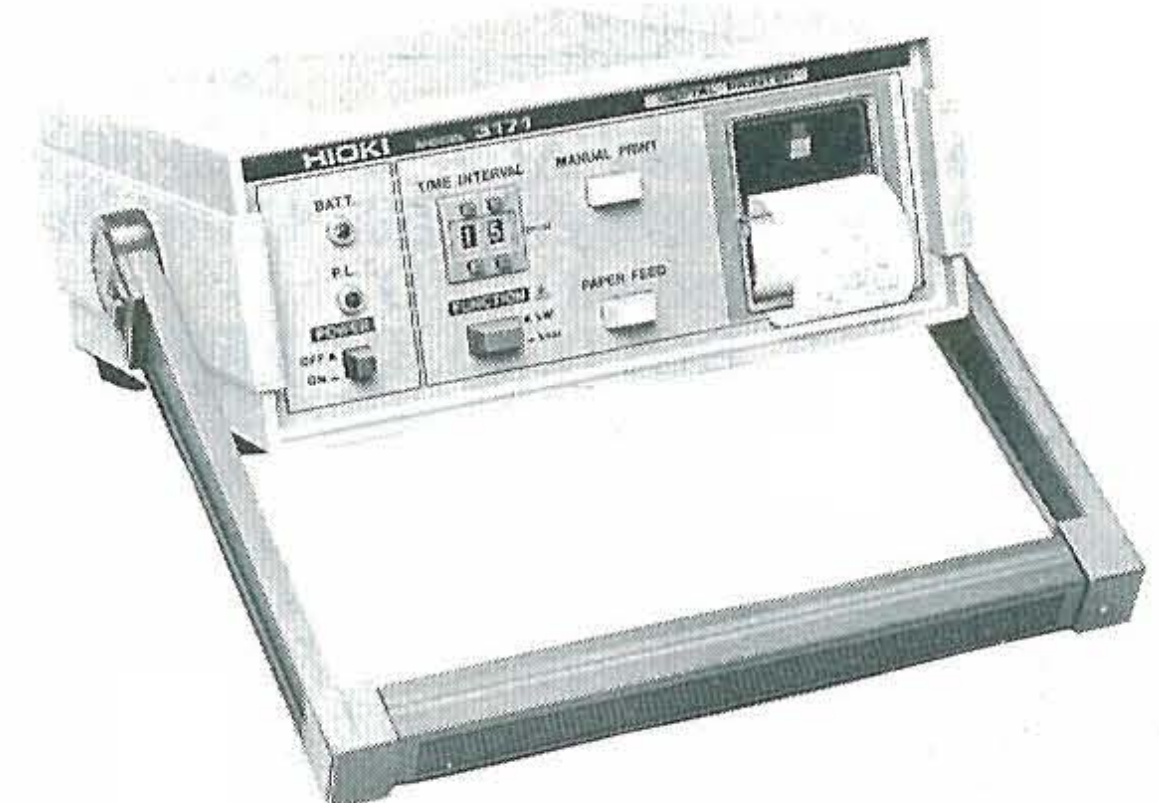


Combination with a clamp-on power meter means that the timer function can be used to integrate power over specified periods of time. Unit and factor conversion is required when used with 3164, or 3182 to 85 units.

- Integrator Unit  
Display: 999999 (6-digit) LED  
Input Voltage: 2VDC (max. 3V)  
Accuracy: ±1% rdg. ±1 dgt.
  - Timer Unit  
Display: 99 (2-digit) LED  
Setting Range: 1 to 99 min. or hr.  
Set Time Accuracy: 0.07% ±1s
- Power Supply:** 100/200/220/240 V AC (specify at order) 50/60 Hz  
**Dimensions:** 150H × 215W × 300Dmm•3kg  
**Accessories:** 9154 Connector cable (1), 0.5A fuse (1)

### 3171 DIGITAL PRINTER

Supplying the digital output from 3141, 3161 or 3181 integrators to the internal timer can provide an automatic or manual continuous printout.



85H × 218W × 240Dmm  
2.6kg

- Printing Method:** Thermal  
**Recording Paper:** 38mm × 8m  
**Print Function:** Time (23hr. 59min. 59s).  
Cumulative integrated power, power occurring over an interval (amount of demand), average power at specified interval, appropriate comments (START, EXT, PRINT, MANUAL, OVER, OV, ERROR, INTVL, AV.), appropriate units (kW, kWh, sec.)
- Operating Functions:**  
Paper feed; manual (time interval 1 to 99 min.)  
Unit selection; watt-var
- Power Supply:** 100/120/220/240 VAC (rear panel selector 50/60Hz)  
**Dimensions:** 85H × 218W × 240Dmm  
**Accessories:** Connector cable, power cord (1), 3A fuse (1), carrying case (1), 9220 Recording paper: (1 roll), 3A midget fuse
- Optional Accessories:**  
9220 Recording paper (8m, 5 rolls)  
**Compative models:** 3161, 3162, 3163, 3164, 3182, 3183, 3184, 3185, 3181-01