


# Digital Clamp-On Tester

Model


## 2345 01

Yokogawa's conventional Model 234501 clamp-on tester provides 3200 count at full scale with an easy-to read bargraph display. Its design was based on specification IEC348 enabling safe operation. Monitoring is also easily accomplished through the waveform output for use with any oscilloscope or recorder.

### FEATURES

- Auto Ranging
- Auto Power Off  
( mark is displayed when the battery voltage drops below operating voltage).
- Waveform Monitor Output
- Data Hold Function
- Bargraph Display

### SPECIFICATIONS

Measuring Method	Dual Integration Mode
Display	LCD 3.5 digit, Bargraph
	Max. Reading: Approx. 3200
	Over Range Indication: "OL"
	Low Battery Indication:  mark is displayed when the battery voltage drops below operating voltage.
Range	Auto-Ranging
Sampling	Digital Display: 2 times/sec, Bargraph Display: 12 times/sec
Jaw Opening Capability	φ33mm
Operational Temperature	0 to 50°C, 80%RH max. (Non-condensing)
Withstanding Voltage	Input terminal-Case, Input terminal Core of Jaw: AC 4 KV/min.
Influence of Outside Magnetic Field	1A at 400A/m or less
Influence of Conductor Position	±1% or less
Power Supply	1.5V (R03, UM-4) × 2
Battery Life	Approx. 700 hours (By Alkaline Batteries)
Auto Power Off	Powered off 10 minutes after the last operation made
Size	Approx. 73(W) × 190(H) × 34(D) mm
Weight	Approx. 250g
Accessories	Batteries (R03) ..... 2 Instruction Manual ..... 1 Test Lead ..... 1 set Carrying Case ..... 1

### Measurement Ranges (23°C ±5°C, 80%RH or less)

#### AC Current (40Hz to 500Hz)

Range	Resolution	Accuracy	Maximum Input
30A	0.01A	±1.2% rdg±5 dgt	300 Arms
300A	0.1A		

Maximum Circuit Voltage: 600 Vrms



#### AC Voltage

Range	Resolution	Accuracy	Input Impedance	Maximum Input
300 V	0.1 V	±1.0% rdg±3 dgt	10 MΩ//<50 pF	DC600 V AC600 Vrms
600 V	1 V			

#### Resistance

Range	Resolution	Accuracy	Test Current	Input Protection
300 Ω	0.1 Ω	±1.5% rdg±3 dgt	<0.7 mA	DC600 V AC600 Vrms
3K Ω	1 Ω		<0.13 mA	

#### Continuity Check

Range	Resolution	Continuity Beeper	Test Current	Input Protection
300 Ω	0.1 Ω	<About 20 Ω	<0.7 mA	DC600 V AC600 Vrms

#### Waveform Monitor Output (AC current)

Output Voltage	0 to 1500mVrms (5 mV/1 A)	Frequency	40 Hz to 500 Hz
Accuracy	±5% (50/60 Hz)±10% (The others)	Load Resistance	>100K Ω//<100pF

#### Optional Accessory

Name	Model No.	Remarks
Cable for wave form Monitor Output	234903	Length : 2.5m

(Application)

