

# DIGITAL CLAMP TESTER

## AC CURRENT FOR HI-VOLTAGE CIRCUIT

### Model HCL-5000D



#### FEATURES

- Wide Range Measurement of 0.1A~600A.
- Easy Operation - Push & Pull Auto Opening/ closing CT
- Safety Design & Function
- Auto Power off Function & Waterdrop Proof Structure

#### SPECIFICATIONS

- Measuring Function : AC line current  
 Measuring Method : Dual integration mode  
 Display : 3.5 digit LCD max. reading of 1999 with annunciators  
 Measuring Range : 0~20A/600A manual (50Hz or 60Hz)  
 Jaw opening Capability :  $\phi$  35mm  
 Accuracy : 23°C±5°C 80%RH or less

Range	Resolution	Accuracy
20A	0.01A	±2%rdg±8dgt
600A	1A	0~400A : ±2%rdg±8dgt 400A~600A : ±3%rdg±8dgt

- Data hold Function : "DH" mark on LCD  
 Auto Power off : Automatically power off mode, approx. 5minutes after the power switch on.  
 Sampling time : 2 times/sec  
 Low Battery Indication : [B] mark on LCD.  
 Operating Temperature : 0~40°C, less than 80%RH without condensing  
 Power supply : Battery UM-4×2  
 Size & Weight : 70(W)×356(H)×68(D)mm, approx. 400gs.  
 Accessories : Batteries, UM-4 .....2pcs.  
 Carrying Case ..... 1pce.  
 Instruction manual ..... 1pce.

### Model HCL-1000D



#### FEATURES

- Safe AC current measurement by hot stick on circuit having internal voltage from AC 80V to AC 33KV.
- Provides wide range of current measurement from AC 0.01A to 600A.
- Peak Hold Function and with UNIVERSAL adapter for attachment of hot stick.
- Sealed to withstand water and contaminants.
- Provides the smooth and easy clamping for the cable with special made "PUSH TO OPEN" mechanism.

#### SPECIFICATIONS

- Measuring method : Dual integration mode  
 Measuring function : AC line current  
 Display : 3.5 digit LCD, max. reading of 1999 with annunciators  
 Range : 0-20A / 600A (50/60Hz)  
 Ranging : 2 manual ranging  
 Accuracy : 23°C±5°C, 80RH or less

Range	Resolution	Accuracy
20A	0.01A	±2.5%rdg±8dgt
600A	1A	0~400A ±2.5%rdg±8dgt 400A~600A ±3%rdg±8dgt

- Jaw opening capability : 35mm  $\phi$   
 Low battery indication : "B" mark on LCD readout  
 Over range indication : Blanking of all digits except MSD1 (Except 600A range)  
 Sampling : 2 times/sec.  
 Peak Hold Function : LED lamp is lightning when push the peak hold switch.  
 Insulation resistance : 100M  $\Omega$  or more by DC 1000V insulation tester (Between operation handle and core of CT)  
 Withstanding voltage : AC 40kV, 1 minute (Between operation handle and core of CT)  
 Limitation of circuit voltage : AC 80V to 23kV  
 Power supply : 1.5V ("AAA" size)×2  
 Constructure : Water resistance rank II (Japanese standard)  
 Size : 70(W)×290(H)×32(D) mm (When retracted)  
 Weight : Approx. 350gs including batteries  
 Accessories : Carrying case ..... 1  
 Instruction manual ..... 1  
 Batteries ..... 2

# DIGITAL CLAMP TESTER

## AC CURRENT FOR HI-VOLTAGE CIRCUIT

### Model HCL-9000S



#### FEATURES

- Safe AC current measurement by optical isolated transmission method on circuit having internal voltage from AC 80V to AC 23kV.
- Provides wide range of current measurement from AC 0.01A to 600A.
- Useful analog signal data output for the recorder.
- Sealed to withstand water and contaminants.
- Provides the smooth and easy clamping for the cable with special made "PUSH TO OPEN" mechanism.

#### SPECIFICATIONS

- Measuring method : Dual integration mode  
 Measuring function : AC line current  
 Structure : Optically isolated between CT part and display/grip part.  
 Display : 3.5 digit LCD, max. reading of 1999 with annunciators  
 Range : 0~20A/600A (50/60Hz)  
 Ranging : 2 manual ranging  
 Accuracy : 23°C±5°C, 80RH or less

Range	Resolution	Accuracy
20A	0.01A	±2.5% rdg ±8 dgt
600A	1A	0~400A±2.5% rdg ±8 dgt 400~600A±3% rdg ±8 dgt

- Jaw opening capability : 35mm  $\phi$   
 Low battery indication : CT part; Red LED lamp  
 Display/grip part; "B" mark on LCD readout  
 Optical transmission : Infrared LED and photo diode  
 Over range indication : Blanking of all digits except MSD1 (Except 600A range)  
 Sampling : 2 times/sec.  
 Data hold indication : "DH" mark on LCD readout  
 Data output : DC 100mA (Full count)  
 DC 30mA (600A range)  
 Data output accuracy; ±1% of full count  
 Output impedance; 10k $\Omega$  or less  
 Insulation resistance : 1000M $\Omega$  or more by DC 1000V insulation tester (Between operation handle and core of CT)  
 Withstanding voltage : AC 46kV, 5 minute (Between operation handle and core of CT)  
 Power supply : CT part; 1.5V ("AAA" size)×3  
 Display/grip part; 1.5V ("AAA" size)×2  
 Power consumption : CT part; 5mA  
 Display/grip part; 3mA  
 Constructure : Water resistance rank II (Japanese standard)  
 Size : 70(W)×550(H)×48(D)mm (When retracted)  
 70(W)×1110(H)×48(D)mm (When stretched)  
 Weight : Approx. 800g  
 Accessories : Carrying case ..... 1  
 Instruction manual ..... 1  
 Batteries ..... 5