

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 φ
 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; 10kΩ or less
 Insulation resistance : 1000MΩ 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