

# DIGITAL CLAMP TESTER

AC CURRENT FOR HI-VOLTAGE CIRCUIT

Model **HCL-9000S**

FOR HI-VOLTAGE CIRCUIT



## 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(45~65Hz)
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	: 35mmφ
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 rankII (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