

High Insulation Digital Clamp Tester

AC Current measurements up to 23kV circuit

Model HCL-9000S



FEATURES

- Safe AC current measurement by optical isolated transmission method for the circuit having internal voltage from AC 80V to AC 23000V.
- Provides wide range of current measurements from AC 0.01A to 600A.
- Provides the smooth and easy clamping of the cable with Special made **PUSH TO OPEN & PULL TO DISCONNECT** mechanism.
- Useful analog signal data output for the recorder.
- Sealed for splash proof and contaminants.

SPECIFICATIONS

Measuring function	: AC load current
Measuring method	: Dual slope integration mode
AC conversion	: Average sensing rms reading
Structure	: Handle and display part is Optically isolated from CT part
Display	: 3.5 digit LCD, max. reading of 1999 with annunciators
Measuring range	: AC 0-20A / 600A(50/60Hz),2 ranges manual

Accuracy (23°C ± 5°C, 80RH or less)

Range	Resolution	Accuracy(50/60Hz)
AC 20A	0.01A	± 2.5% rdg ± 8 dgt
AC 600A	1A	0-400A : ± 2.5% rdg ± 8 dgt
		400-600A : ± 3% rdg ± 8 dgt

Jaw opening capability	: 35mm φ
Low battery indication	: Red LED lamp(CT) "B" mark on LCD(Display unit)
Optical transmission	: Infrared LED
Over range indication	: Blinking of MSD 1 (Except 600A range)
Sampling	: 2 times/sec.
Data hold indication	: "DH " mark on LCD
Data output	: DC 100mV (20A range) DC 30mV (600A range)
Data output accuracy	: ± 1% of full count Output impedance: 10kΩ or less
Insulation resistance	: 100MΩ or more by DC 1000V insulation tester (Between operation handle and core of CT)
Withstanding voltage	: AC 46kV, 1 minute (Between operation handle and core of CT)
Limitation of circuit Voltage	: AC 80Vrms to 23000Vrms
Power supply	: CT part : 1.5V ("AAA" size) × 3 Display part : 1.5V ("AAA" size) × 2
Power consumption	: CT part : 5mA Display part : 3mA
Splash proof	: 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