

Digital Leakage Current Clamp Meter with Harmonics PRO HCM-60 PRO HCM-65 PRO HCM-69

INTRODUCTION

The Metravi HCM series Leakage Current Clamp Meters are especially designed and manufactured for measuring AC leakage Current and Current.

The meters adopt unique CT and digital integration technology, and are of small size, high precision and have perfect function.

Widely used in electric power, communications, meteorology, railway, oil field, construction, measurement, scientific research and teaching units, industrial and mining enterprises and other fields.

The Clamp Jaws are made of permalloy and adopt magnetic shielding technology; so that they are almost not affected by external electromagnetic fields, ensuring high precision, high stability and high reliability for uninterrupted measurements.

The Clamp Meters have test functions such as True Virtual Value measurement, Filtering Function, Maximum / Minimum / Average values, Harmonics, Distortion Rate, etc., which can test Current in the frequency range of 40Hz to 1kHz.

They also feature Backlight, Flashlight, Data Hold, and Bluetooth communication.

They use rechargeable, large-capacity, lithium batteries.



Model	Range	Filter	Harmonic	Lamp	Bluetooth	CT Size
HCM-60	AC 0.00mA ~ 300A	√	√	√	√	Φ40mm
HCM-65	AC 0.00mA ~ 1200A	√	√	√	√	Φ70mm
HCM-69	AC 0.00mA ~ 2000A	√	√	√	√	80×80mm

TECHNICAL SPECIFICATIONS

Power Supply	Lithium battery DC 3.7V/1000mAh
Measurement Range	PRO HCM-60 : 0.00mA ~ 300A
	PRO HCM-65 : 0.00mA ~ 1200A
	PRO HCM-69 : 0.00mA ~ 2000A
Measurement Accuracy	0.00mA ~ 999mA; ±1.5%rdg±5dgt
	1.00A ~ 300A; ±1.5%rdg±5dgt
	300A ~ 599A; ±2.0%rdg±5dgt
	600A ~ 1199A; ±2.5%rdg±5dgt
	1200A ~ 2000A; ±2.5%rdg±5dgt
	Above is the current error in the range of 40Hz to 70Hz, and the measurement error double of the basic error when in the range of 71Hz to 1KHz or the filter function is turned on; When the tested wire is not in the center of the clamp jaws during the test, the maximum error of the position offset is doubled of basic

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Meter Weight	PRO HCM-60 : 256G (with battery), total weight: 470g (including all accessories)
	PRO HCM-65 : 477G (with battery), total weight: 750g (including all accessories)
	PRO HCM-69 : 664G (with battery), total weight: 1160g (including all accessories)
CT Size	PRO HCM-60 : Φ 40mm
	PRO HCM-65 : Φ 70mm
	PRO HCM-69 : 80mm \times 80mm
Meter Size	PRO HCM-60 : 192mm \times 96mm \times 40mm
	PRO HCM-65 : 237mm \times 131mm \times 40mm
	PRO HCM-69 : 253mm \times 145mm \times 40mm
LCD Size	43mm \times 38mm; display area : 36.5mm \times 29mm
LCD Backlight	Yes
Flashlight	Yes
Filter Function	Filter on : 40Hz ~ 70Hz; Filter off: 40Hz ~ 1kHz
Harmonic	21 orders (above 10mA)
Distortion Rate	Yes (above 10mA)
Max/Min Value	Yes
Average Value	Yes
Data Hold	Yes
Data Store	2000 groups (store via App)
Overflow Display	Exceed measure range overflow function : "OL" symbol display
Bluetooth Function	Yes, After installing the APP, can test or view the test results on mobile
Automatic Shutdown	After starting up about 5 minutes without any operation, the meter will automatically shuts down to reduce battery consumption
Battery Power	Display with 4grids
Sampling Rate	2 times / second
Working Current	60mA (open flashlight 72mA)
Line Voltage	Below AC 600V circuit line to test
Display Mode	4 digital LCD display, 47mm \times 28.5mm
Working Environment	-10°C ~ 50°C; below 80%rh
Store Environment	-20°C ~ 60°C; below 70%rh
Insulation Strength	AC3700V/rms (Between iron core and shell)
Suitable Safe Standard	IEC1010-1, IEC1010-2-032, Pollution 2, CAT III (600V)

