

Current Testing Modules

CTM xxA

Datasheet



In Compliance with

> JB/T 7490:2007

Introduction

Current testing modules CTM series contains high-accuracy Hall sensors, can be used for measurement of DC, AC, pulses and currents of many different waveforms under isolated conditions together with co-axial cables and oscilloscope. It can also be flexibly used together with multi-meter to measure output voltage amplitude at the BNC terminals, which can be multiplied with a factor to get the corresponding current. The range of current measurement includes: 50 A, 100 A, 200 A, 300 A or to be customized higher.

Features

- > Super fast response time (<1 μ s)
- > Strong anti-interference capability with modular design
- > Strong adaptability, wide operating voltage range
- > Flexible usage, can be used together with multi-meter for AC / DC measurement

Application Areas

- > IT
- > Telecom
- > Power generation
- > New energy automotive

Technical Parameters	
Usable Current Range	0 - ± 50 A / ± 100 A / ± 200 A / 300 A (or to be customized)
Frequency Range	Max DC 100 kHz
Measurement Accuracy	$\pm 3\%$ ($T_A = 25$ °C)
Linearity	< 0.1% FS
Offset Current At Current Zero	< ± 0.25 mA ($T_A = 25$ °C)
Temperature Effect On Offset Current	< ± 0.5 mA ($I_P = 0$, $T_A = -25$ °C to $+85$ °C)
Response Time	< 1 μ s

General Parameters	
Operating Voltage	AC 85 V – 265 V, 45 Hz – 65 Hz
Operating Temp.	-25 °C to +85 °C
Storage Temp.	-40 °C to +100 °C
Dimension	198 x 118 x 75 mm
Weight	Approx. 0.5 kg

Standard Accessories	
Testing Wire	1 pc
Quality Guarantee	1 pc
Factory Inspection Report	1 pc
User Manual	1 pc



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