



Calibration Kit for Capacitive Coupling Clamp CA-CCC

- IEC/EN 61000-4-4
- IEC/EN 61000-4-18
- GB/T 17626.4
- GB/T 17626.18

Introduction

The CA-CCC transducer plate is applied for the calibration of capacitive coupling clamp. It is designed in accordance with domestic and international standards including IEC 61000-4-4 and GB/T 17626.4. It senses pulses coupled by the capacitive coupling clamp. The compliance of the capacitive coupling clamp can be judged by measuring pulse waveform parameters on the transducer plate.



3ctest has developed a calibration fixture kit compliant with the latest standards. The calibration kit includes:

- CA-CCC: Transducer Plate
- TFB 500: 50 Ω attenuator
- AD-CA-CCC: Adapter

The CA-CCC transducer plate is placed inside the CCC 100 capacitive coupling clamp and connected to the TFB 500 attenuator via the AD-CA-CCC adapter.

Technical Parameters

Transducer Plate CA-CCC	
Connector	BNC
Input Voltage	Max. 5,000 V
Dimension of Insulating Material	1,100 ± 5 mm * 130 ± 1 mm
Dimension of Copper Plate	1,050 ± 5 mm * 120 ± 1 mm; Plate thickness < 0.5 mm
Weight	300 g
Ambient Temperature	(23±5) °C
Relative Humidity	35% ~ 80%
Atmospheric Pressure	60 kPa ~ 106 kPa

Standard Accessories

Connecting Adapter	Model: AD-CA-CCC Connecting adapter equipped with L-type ground bracket, which connects the BNC port of the transducer plate to the coaxial connector of the attenuator.
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Optional Accessories

EFT/B Calibration Kit	Model: EFT-CA-Kit Including: TFB 500: 50 Ω Attenuator, TFB 1000: 1,000 Ω Attenuator, High-voltage RF connectors, BNC to banana plug adapters, RF cables.	
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