High-Voltage Differential Probe

VCF 80

- IEC/EN 61000-4-5
- GB/T 17626.5
- GB/T 16927.1

Features

> Surge measuring and power supply measuring
> Compatible with all type of oscilloscopes
> Max. test voltage is 8,000 V DC
> Max. bandwidth range is 8 MHz
> Attenuation ratio is 1000:1
> Alternative to two P6015 high voltage probes

Introduction

The VCF 80 high-voltage differential probe is designed according to IEC/EN 61000-4-5 as the ideal high-voltage measuring tool for surge calibration, capable of effective protection of the oscilloscope. It can also be used to measure the clamping voltage of varistor type surge protective devices.

The VCF 80 high voltage differential probe is designed based on the differential circuit principle. It supports measurements up to 8 kV, with a pulse decay time of 11 ms.

Application Areas

Technical Parameters

Attenuation	1,000 : 1
Measuring Accuracy	±2%±5 mV DC
Input Impedance	30 kΩ, common-mode
	60 kΩ, differential-mode
Output Impedance	50 Ω
Max. Impulse Voltage	8 kV
-3 dB Bandwidth	8 MHz
Rise Time	40 ns
Response Time	30 ns
Output Terminal	Coaxial BNC connector
Working Power	DC 24 V, 1 A

General Parameters

Dimension	260 *160 *26 mm
Weight	Approx. 900 g
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%

Standard Accessories

Power Adapter, Coaxial Testing Cable, User Manual

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