

# ZD200 Active Differential Probes

200 MHz



# ZD SERIES ACTIVE DIFFERENTIAL PROBES

The ZD200 differential probe provides excellent noise and loading performance with an extensive set of probe tips, leads, and ground accessories to handle a wide range of probing scenarios.

## Fully Integrated

With the ProBus interface, the ZD200 becomes an integral part of the oscilloscope. The probe sensitivity and offset are automatically optimized based on the oscilloscope gain settings, so control is transparent to the user. When used with a LeCroy digital oscilloscope, no external power supply is required.

## Wide Dynamic Range

The ZD200 probes provide a wide dynamic range of  $\pm 20$  V and a common mode range of  $\pm 60$  V to allow a broad application use.

## A Variety of Probe Tips for Varied Tasks

Engineers often need to probe a variety of different test points in confined spaces. The extensive range of standard and optional tip accessories for the ZD200 Series of probes ensures that this probe can meet any difficult probing challenge.

## Innovative Probe Leads and Tips Provide Excellent Signal Performance Without Degradation

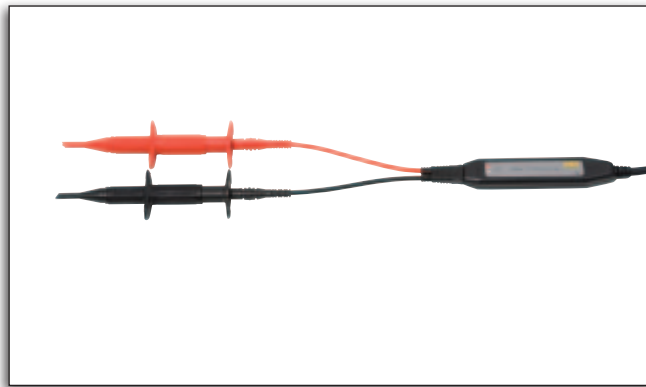
Probing with long leads or accessories is sometimes necessary to reach the test points, but it comes at the expense of reduced bandwidth, increased capacitance, and added noise. The ZD200 accessories are engineered to provide the best signal fidelity and minimize peaking and other undesirable effects often introduced with probe tips and leads.



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*The ZD200 provides 2 closely spaced differential inputs to connect directly to header pins, or connect probe tips or leads.*



*The ZD200 connects to the Y lead accessory and clips.*



*The ZD200 Accessory kit includes an assortment of leads, clips, and straight tips.*

# SPECIFICATIONS AND ORDERING INFORMATION

## Specifications

## ZD200

### Electrical Characteristics

Bandwidth (Warranted)	200 MHz
Risetime 10–90% (Typical)	1.75 ns
Probe Attenuation (Nominal)	10x
LF Attenuation Accuracy (Warranted)	1%
Input Offset (Typical)	< 2 mV
Probe Only Noise (Typical)	3 mV <sub>rms</sub>
Input Differential Range (Nominal)	± 20 V
Common Mode Range (Nominal)	± 60 V
CMRR (Typical)	80 dB @ 60 Hz 50 dB@10 MHz
DC Input Resistance (Nominal)	250 k $\Omega$ (Common Mode) 1 M $\Omega$ (Differential Mode)
Input Capacitance (Differential) (Typical)	3.5 pF

## Ordering Information

Product Description	Product Code
200 MHz, 3.5 pF, 1 M $\Omega$ Active Differential Probe	ZD200
Replacement Accessory Kit for ZD200	PACC-ZD007
Replacement Leadset for ZD200	PACC-ZD008

## Customer Service

LeCroy oscilloscopes and probes are designed, built, and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year.

This warranty includes:

- No charge for return shipping
- Long-term 7-year support
- Upgrade to latest software at no charge



1-800-5-LeCroy  
www.lecroy.com

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