

GDP-1020P 1 GHz / 20 V High Frequency Differential Probe
GDP-2035H 200 MHz / 3500 Vpk High Voltage Differential Probe



GDP-1020P



GDP-2035H

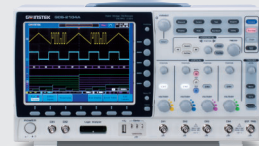
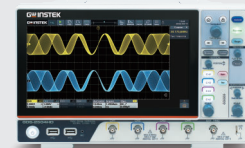
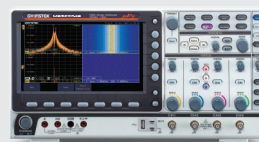
FEATURES

GDP-1020P

- * 1 GHz Bandwidth (probe only)
- * ≤ 1 pF Input Capacitance
- * ± 20 V (DC + peak AC) Differential Input Voltage
- * Overrange Indicator

GDP-2035H

- * Bandwidths up to 200 MHz
- * Up to 3500 V Differential (DC + peak AC)
- * Overrange Indicator
- * Safety Certified
- * Switchable Attenuation



Applicable Device: GDS-3000A Series, GDS-3000 Series, GDS-2000HD/HG, MPO-2000 Series, MSO-2000EA Series, MDO-2000A Series, MDO-2000E Series, GDS-2000A Series, GDS-2000E Series, GDS-1000B Series, GDS-900 Series

APPLICATIONS

GDP-1020P

- * Floating Measurement
- * High-speed Digital Systems Design
- * Component Design/Characterization
- * Educational Research
- * Digital Differential Bus

GDP-2035H

- * Floating Measurements
- * Variable-frequency Drive (VFD)
- * Switching Power Supply Design
- * Motor Drive Design
- * Electronic Ballast Design
- * Power Converter Design and Service
- * Power Device Evaluation



GDP-1020P



GDP-2035H



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SPECIFICATIONS		
	GDP-1020P	GDP-2035H
Probe Bandwidth	DC to 1 GHz (-3 dB)	DC to 200 MHz (-3 dB)
Attenuation	10 X	100 X , 1000 X
Accuracy	± 2 %	± 2 %
Maximum Differential Voltage (DC + Peak AC)	± 20 V	100 X : ± 350 V 1000 X : ± 3500 V
Common Mode Voltage	± 20 V	± 3500 V
Maximum Input Voltage-to-Earth (Vrms)	± 30 V	600 V CAT III 1000 V CAT II
Differential Input Impedance (Typical)	200 kΩ 1 pF	40 MΩ 2 pF
Input Impedance Between Each Input and Ground (Typical)	100 kΩ 2 pF	20 MΩ 4 pF
Rise Time	350 ps (calculated)	1.75 ns (calculated)
CMRR	50 Hz / 60 Hz : > 80 dB 100 kHz : > 60 dB 1 MHz : > 50 dB 50 MHz : > 40 dB 100 MHz : > 30 dB 500 MHz : > 15 dB 1 GHz : > 10 dB	DC : > 80 dB 100 kHz : > 60 dB 1 MHz : > 50 dB
Noise (Vrms)	< 4.5 mV	100 X : < 220 mV 1000 X : < 280 mV
Delay Time	Probe main : 6 ns BNC (1 m) : 5 ns	100 X : 12.2 ns 1000 X : 11.2 ns
Power Supply	5 V, 2.4 A USB Power Adapter	5 V, 2.4 A USB Power Adapter
Probe Dimension	Front : 121 mm(W) × 22 mm(H) × 15 mm(D) Back : 104 mm(W) × 40 mm(H) × 27 mm(D)	Control Box Size : 185 mm(W) × 63 mm(H) × 26 mm(D) Output Terminal Size : 83 mm(W) × 31 mm(H) × 22 mm(D)
Probe Weight	122 g	335 g

Specifications subject to change without notice. GDP-1020P/2035H_ID1DS

ORDERING INFORMATION
GDP-1020P 1 GHz / 20 V High Frequency Differential Probe
ACCESSORIES
Test Hooks x 2, Variable Pitch Signal Pins x 2, Single Signal Pins x 6, Extender Leads 50 mm (Red x 1, Black x 1), Extender Leads 100 mm (Red x 1, Black x 1), Power Adapter with Interchangeable AC Plugs (AU/US/UK/EU) x 1, USB CABLE A-C, 1.2 m x 1, BNC to BNC Cable, Insulated, 1 m x 1, 50 Ω feed-through terminator x 1

ORDERING INFORMATION
GDP-2035H 200 MHz / 3500 Vpk High Voltage Differential Probe
ACCESSORIES
Alligator Clips (Red x 1, Black x 1), Pincer Clips (Red x 1, Black x 1), Test Hooks (Red x 1, Black x 1), Banana Head Female Sockets x 2, Power Adapter with Interchangeable AC Plugs (AU/US/UK/EU) x 1, Test Leads, 1000 mm (Red x 1, Black x 1), USB CABLE A-C, 1.2 m x 1

ACCESSORIES INTRODUCTION

A collection of accessories for the GDP-1020P probe, including a power adapter, interchangeable AC plugs, a USB cable, a BNC to BNC cable, a feed-through terminator, test hooks, variable pitch signal pins, single signal pins, and extender leads.

1. Test Hooks (Red x 1, Black x 1)
2. Variable Pitch Signal Pins
3. Single Signal Pins
4. Extender Leads, 50 mm (Red x 1, Black x 1)
5. Extender Leads, 100 mm (Red x 1, Black x 1)
6. Power Adapter (5 V, 2.4 A USB)
7. Interchangeable AC Plugs (AU/US/UK/EU)
8. USB CABLE A-C, 1.2 m
9. BNC to BNC Cable, Insulated, 1 m
10. 50 Ω Feed-through Terminator

A collection of accessories for the GDP-2035H probe, including a power adapter, interchangeable AC plugs, a USB cable, a BNC to BNC cable, a feed-through terminator, alligator clips, pincer clips, test hooks, banana head female sockets, and extender leads.

1. Alligator Clips (Red x 1, Black x 1)
2. Pincer Clips (Red x 1, Black x 1)
3. Test Hooks (Red x 1, Black x 1)
4. Banana Head Female Sockets
5. Power Adapter (5 V, 2.4 A USB)
6. Interchangeable AC Plugs (AU/US/UK/EU)
7. Test Leads (Red x 1, Black x 1)
8. USB CABLE A-C, 1.2 m

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