



GDP-025



GDP-050/100



The GDP series probe provide 25MHz, 50MHz and 100MHz bandwidth, enabling users to safely make high-voltage measurements on floating circuit test. GDP series high-voltage differential probe converts floating signals to low-voltage ground-referenced signals that can be displayed safely and easily on any ground-referenced oscilloscope.

The GDP-025 / 050 / 100 differential probe offer user selectable attenuation settings that make it highly versatile, allowing it to be used for a broad range of applications. The probe comes with probe tip accessories for use with both small or large components in tight places. The GDP-025 / 050 / 100 also provide over-range indicator which alerts the user when the probe input exceeds the dynamic range of the probe.

GDP-025/050/100

FEATURES

- 25, 50, 100MHz Bandwidth
- Up to 7,000V Differential Voltage (GDP-050/100)
- Up to 1,400V Differential Voltage (GDP-025)
- Flexible Attenuation Option, Suitable for Various Applications
- Separation Design, Users Can Easily Replace the Probe Connector to Complete a Variety of Test Applications

APPLICATIONS

- Power Supply Design
- Power Device Evaluation
- Power Converter Design
- Floating Measurements

GDP-025/050/100

GW INSTEK
Made to Measure Since 1975

SPECIFICATIONS

	GDP-025	GDP-050	GDP-100
Probe Bandwidth	DC ~ 25MHz(attenuationx50 ,x200) ; DC ~ 15MHz(attenuationx20)	DC ~ 50MHz(attenuationx200 ,x500 ,x1000) ; DC ~ 25MHz(attenuationx100)	DC ~ 100MHz(attenuationx200 ,x500 ,x1000) ; DC ~ 50MHz(attenuationx100)
Attenuation	x20 ,x50 ,x200	x100 ,x200 ,x500 ,x1000	x100 ,x200 ,x500 ,x1000
Accuracy	±2%	±2%	±2%
Voltage Input Range (DC+AC peak to peak)	≤140Vp-p for x 20 , ≤350Vp-p for x 50 , ≤1400Vp-p for x 200	≤700Vp-p for x 100 ≤1400Vp-p for x 200 ≤3500Vp-p for x 500 ≤7000Vp-p for x 1000	≤700Vp-p for x 100 ≤1400Vp-p for x 200 ≤3500Vp-p for x 500 ≤7000Vp-p for x 1000
Permitted Max Input Voltage	Maximum differential voltage: Max voltage between input terminal and ground: 600Vrms	Maximum differential voltage: Max voltage between input terminal and ground: 6500Vrms	Maximum differential voltage: Max voltage between input terminal and ground: 6500Vrms
Input Impedance	Differential:4MΩ/1.2pF ; Between terminals and ground:2MΩ/2.3pF	Differential:54MΩ/1.2pF ; Between terminals and ground:27MΩ/2.3pF	Differential: 54MΩ/1.2pF ; Between terminals and ground:27MΩ/2.3pF
Output	≤±7.0V	≤±7.0V	≤±7.0V
Output impedance	50Ω	50Ω	50Ω
Rise Time	14ns(x50 ,x200 attenuation) ; 23.4ns(x20 attenuation)	7ns(x2000 ,x500,x1000 attenuation) ; 14ns(x100 attenuation)	3.5ns(x2000 ,x500,x1000 attenuation) ; 7ns(x100 attenuation)
Rejection Rate on Common Mode (CMRR)	60Hz>80dB , 100Hz>60dB, 1MHz>50dB	60Hz>80dB , 100Hz>60dB, 1MHz>50dB	60Hz>80dB , 100Hz>60dB, 1MHz>50dB
Power Supply	External 9VDC power supply	External 9VDC power supply	External 9VDC power supply
Consumption	Maximum 35mA(0.4Watt)	Maximum 35mA(0.4Watt)	Maximum 35mA(0.4Watt)

ORDERING INFORMATION

GDP-025	25MHz High Voltage Differential Probe
GDP-050	50MHz High Voltage Differential Probe
GDP-100	100MHz High Voltage Differential Probe

Global Headquarters

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