

## GDP-025/050/100



GDP-025



GDP-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

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.

### APPLICATIONS

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

## SPECIFICATIONS

	GDP-025	GDP-050	GDP-100
<b>Probe Bandwidth</b>	DC ~ 25MHz(attenuationx50 ,x200) ; DC ~ 15MHz(attenuationx20)	DC ~ 50MHz(attenuationx200 ,x500 ,x1000) ; DC ~ 25MHz(attenuationx100)	DC ~ 100MHz(attenuationx200 ,x500 ,x1000) ; DC ~ 50MHz(attenuationx100)
<b>Attenuation</b>	x20 ,x50 ,x200	x100 ,x200 ,x500 ,x1000	x100 ,x200 ,x500 ,x1000
<b>Accuracy</b>	±2%	±2%	±2%
<b>Voltage Input Range (DC+AC peak to peak)</b>	≤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
<b>Permitted Max Input Voltage</b>	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
<b>Input Impedance</b>	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
<b>Output</b>	≤±7.0V	≤±7.0V	≤±7.0V
<b>Output impedance</b>	50 Ω	50 Ω	50 Ω
<b>Rise Time</b>	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)
<b>Rejection Rate on Common Mode (CMRR)</b>	60Hz>80dB , 100Hz>60dB, 1MHz>50dB	60Hz>80dB , 100Hz>60dB, 1MHz>50dB	60Hz>80dB , 100Hz>60dB, 1MHz>50dB
<b>Power Supply</b>	External 9VDC power supply	External 9VDC power supply	External 9VDC power supply
<b>Consumption</b>	Maximum 35mA(0.4Watt)	Maximum 35mA(0.4Watt)	Maximum 35mA(0.4Watt)

## ORDERING INFORMATION

<b>GDP-025</b>	<b>25MHz High Voltage Differential Probe</b>
<b>GDP-050</b>	<b>50MHz High Voltage Differential Probe</b>
<b>GDP-100</b>	<b>100MHz High Voltage Differential Probe</b>

Global Headquarters

### GOOD WILL INSTRUMENT CO., LTD.

No. 7-1, Jhongsing Road, Tucheng City, Taipei County 236, Taiwan  
T +886-2-2268-0389 F +886-2-2268-0639  
E-mail: marketing@goodwill.com.tw

China Subsidiary

### GOOD WILL INSTRUMENT (SUHZOU) CO., LTD.

NO. 69, Lushan Road, Snd, Suzhou Jiangsu 215011 China  
T +86-512-6661-7177 F +86-512-6661-7277  
E-mail: marketing@instek.com.cn

Malaysia Subsidiary

### GOOD WILL INSTRUMENT (M) SDN. BHD.

27, Persiaran Mahsuri 1/1, Sunway Tunas,  
11900 Bayan Lepas, Penang, Malaysia  
T +604-6309988 F +604-6309989  
E-mail: sales@goodwill.com.my

U.S.A. Subsidiary

### INSTEK AMERICA CORP.

3661 Walnut Avenue Chino, CA 91710, U.S.A.  
T +1-909-5918358 F +1-909-5912280  
E-mail: sales@instekamerica.com

Japan Subsidiary

### INSTEK JAPAN CORPORATION

4F, Prosper Bldg, 1-3-3 Iwamoto-Cho Chiyoda-Ku,  
Tokyo 101-0032 Japan  
T +81-3-5823-5656 F +81-3-5823-5655  
E-mail: info@instek.co.jp

Korea Subsidiary

### GOOD WILL INSTRUMENT KOREA CO., LTD.

Room No.805, Ace Hightech-City B/D 1Dong,  
Mullae-Dong 3Ga 55-20, Yeongduengpo-Gu, Seoul, Korea  
T +82-2-3439-2205 F +82-2-3439-2207  
E-mail : gwinstek@gwinstek.co.kr

**GW INSTEK**

Made to Measure Since 1975

[www.gwinstek.com](http://www.gwinstek.com)

