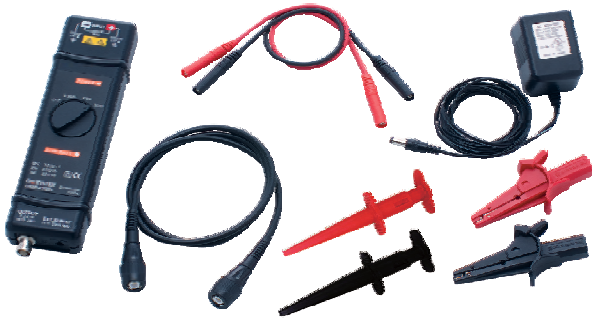


## HIGH VOLTAGE DIFFERENTIAL PROBE



GDP-025



GDP-050/100



## 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

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

GDP-025/050/100

**GW INSTEK**  
Simply Reliable

## 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>	50Ω	50Ω	50Ω
<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 Dist., New Taipei City 236, Taiwan  
T +886-2-2268-0389 F +886-2-2268-0639  
E-mail: marketing@goodwill.com.tw

### China Subsidiary

**GOOD WILL INSTRUMENT (SUZHOU) CO., LTD.**  
No. 521, Zhujiang Road, Snd, Suzhou Jiangsu 215011 China  
T +86-512-6661-7177 F +86-512-6661-7277

### Malaysia Subsidiary

**GOOD WILL INSTRUMENT (SEA) SDN. BHD.**  
No. 1-3-18, Elit Avenue, Jalan Mayang Pasir 3,  
11950 Bayan Baru, Penang, Malaysia  
T +604-6111122 F +604-6115225

### Europe Subsidiary

**GOOD WILL INSTRUMENT EURO B.V.**  
De Run 5427A, 5504DG Veldhoven, THE NETHERLANDS  
T +31(0)40-2557790 F +31(0)40-2541194

### U.S.A. Subsidiary

**INSTEK AMERICA CORP.**  
5198 Brooks Street Montclair, CA 91763, U.S.A.  
T +1-909-399-3535 F +1-909-399-0819

### Japan Subsidiary

**TEXIO TECHNOLOGY CORPORATION.**  
7F Towa Fudosan Shin Yokohama Bldg., 2-18-13 Shin  
Yokohama, Kohoku-ku, Yokohama, Kanagawa,  
222-0033 Japan  
T +81-45-620-2305 F +81-45-534-7181

### Korea Subsidiary

**GOOD WILL INSTRUMENT KOREA CO., LTD.**  
Room No.503, Gyeonginro 775 (Mullae-Dong 3Ga,  
Ace Hightech-City B/D 1Dong), Yeongduengpo-Gu,  
Seoul 150093, Korea.  
T +82-2-3439-2205 F +82-2-3439-2207

### India Subsidiary

**GW INSTEK INDIA LLP.**  
No.2707/B&C, 1st Floor UNNATHI Building,  
E-Block, Sahakara Nagar, Bengaluru-560 092, India  
T +91-80-6811-0600 F +91-80-6811-0626

**GW INSTEK**

Simply Reliable



Website



Facebook



LinkedIn