

# GCP-0275/0550/2525

2 MHz/5 MHz/25 MHz  
AC/DC Current Probe



**GCP-2525**  
25 MHz AC/DC Current Probe



**GCP-0550**  
5 MHz AC/DC Current Probe



**GCP-0275**  
2 MHz AC/DC Current Probe

## FEATURES

- \* Easy-to-use and Accurate AC/DC Current Measurements
- \* Low Noise and DC Drift
- \* Split-core Probe Head Construction Allows Easy Connection to Conductors



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

## APPLICATIONS

- \* Power Supplies
- \* Motor Drives
- \* Semiconductor Devices
- \* Power Inverters/Converters
- \* Industrial/Consumer Electronics
- \* Transportation Systems
- \* Electronic Ballasts



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## SPECIFICATIONS

| Model                                | GCP-0275  | GCP-0550  | GCP-2525  |
|--------------------------------------|---|---|---|
| Bandwidth (-3 dB)                    | DC to 2 MHz   | DC to 5 MHz                                       | DC to 25 MHz  |
| DC + Peak AC MAX. ( non-continuous ) | 750 A (*1)  | 500 A (*2)  | 250 A (*3)  |
| Continuous Maximum Current (RMS)     | 500 Arms  | 350 Arms  | 170 Arms  |
| Minimum Current                      | 50 mA   | 20 mA   | 20 mA   |
| Rise Time                            | 175 ns or less                                      | 70 ns or less                                     | 14 ns or less                                       |
| Conversion Ratio                     | 2 mV/A (X 500)<br>20 mV/A (X 50)                    | 5 mV/A (X 200)<br>50 mV/A (X 20)                  | 10 mV/A (X 100)<br>100 mV/A (X 10)                  |
| Accuracy                             | 2 mV/A : 1 % ± 1 mV<br>20 mV/A : 1 % ± 1 mV         | 5 mV/A : 1 % ± 1 mV<br>50 mV/A : 1 % ± 2 mV       | 10 mV/A : 1 % ± 1 mV<br>100 mV/A : 1 % ± 5 mV       |
| Current Range ( DC + Peak AC )       | 2 mV/A : 125 A to 750 A<br>20 mV/A : 50 mA to 150 A | 5 mV/A : 50 A to 500 A<br>50 mV/A : 20 mA to 50 A | 10 mV/A : 25 A to 250 A<br>100 mV/A : 20 mA to 25 A |
| Noise (RMS)                          | 50 mA   | 20 mA   | 20 mA   |
| Weight (Probe)                       | 390 g   | 380 g   | 370 g   |
| Size (Probe)                         | 62.28 mm (W) x 151.85 mm (H) x 26.4 mm (D)          |   |   |
| Intended Output Load                 | 1 MΩ  |   |   |
| Clamp Dia.                           | 20 mm   |   |   |
| Power Supply                         | DC 12 V / 2 A                                       |   |   |
| Operating Temperature and Humidity   | 0 °C to 50 °C / 20 %RH to 75 %RH                    |   |   |
| Insulated Line Voltage               | 600 V CAT II / 300 V CAT III                        |   |   |

Note : \*1. 750 A peak at pulse width of ≤ 30 μs  
\*2. 500 A peak at pulse width of ≤ 30 μs  
\*3. 250 A peak at pulse width of ≤ 30 μs

Specifications subject to change without notice. GCP-0275/0550/2525\_ID1DH

## ORDERING INFORMATION

**GCP-0275 2 MHz AC/DC Current Probe**  
**GCP-0550 5 MHz AC/DC Current Probe**  
**GCP-2525 25 MHz AC/DC Current Probe**

## ACCESSORIES

Current Probe x 1  
 Power Adapter with interchangeable Plugs x 1  
 AC Plug Changeable (CN/US/UK/EU) x 1  
 BNC to BNC Cable(with 50 ohm terminal) x 1  
 Packing List x 1



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