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Test & Measurement

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Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

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Product Lifecycle Management System

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HZ200 Probe 10:1



| | |
|-----------------------------|---------------------|
| Attenuation ratio: | 10:1 |
| Bandwidth: | 250 MHz |
| Rise time: | < 1.4 ns |
| Input impedance: | 10MΩ 12 pF |
| Max. Voltage: | 400V (DC + peak AC) |
| LF compensation: | 1 |
| RF compensation: | 2 |
| Cable length: | 1.2 m |
| Probe factor identification | |
| Measuring category: | CAT I |

HZ51 Probe 10:1



| | |
|---------------------|---------------------|
| Attenuation ratio: | 10:1 |
| Bandwidth: | 150 MHz |
| Rise time: | < 2.4 ns |
| Input impedance: | 10 MΩ 12 pF |
| Max. Voltage: | 600V (DC + peak AC) |
| LF compensation: | 1 |
| RF compensation: | 1 |
| Cable length: | 1.2 m |
| Measuring category: | CAT I |

HZ52 Probe 10:1



| | |
|---------------------|---------------------|
| Attenuation ratio: | 10:1 |
| Bandwidth: | 250 MHz |
| Rise time: | < 1.4 ns |
| Input impedance: | 10 MΩ 10 pF |
| Max. Voltage: | 600V (DC + peak AC) |
| LF compensation: | 1 |
| RF compensation: | 2 |
| Cable length: | 1.2 m |
| Measuring category: | CAT I |

HZ53 Probe 100:1



| | |
|---------------------|----------------------|
| Attenuation ratio: | 100:1 |
| Bandwidth: | 100 MHz |
| Rise time: | < 3.5 ns |
| Input impedance: | 100 MΩ 4.5 pF |
| Max. Voltage: | 1200V (DC + peak AC) |
| LF compensation: | 1 |
| Cable length: | 1.2 m |
| Measuring category: | CAT I |

HZ154 Probe 1:1 / 10:1



| | |
|---------------------|----------------------------|
| Attenuation ratio: | 1:1 |
| Switchable: | 10:1 |
| Bandwidth: | 10/150 MHz |
| Rise time : | < 35/3.5 ns |
| Input impedance: | 1/10 MΩ 82/12 pF |
| Max. voltage: | (10:1) 600V (DC + peak AC) |
| LF compensation: | 1 at 10:1 |
| RF compensation: | 2 at 10:1 |
| Cable length: | 1.2 m |
| Measuring category: | CAT I |

HZ100 Differential Probe 20:1/200:1 Technical specifications at 23 °C ± 2 °C



| | |
|---|--------------------------------------|
| Differential input voltage (DC + peak AC) max.: | ±700 V |
| Max. input voltage per input: | 600 Vrms |
| Attenuation ratio: | 20:1 |
| Switchable: | 200:1 |
| Bandwidth: | 30/40 MHz |
| Rise time: | 12/9 ns |
| Input impedance: | 8 MΩ 1.2 pF |
| Output impedance: | 50 Ω |
| Max. output voltage: | ±3.5 V at 1 MΩ |
| Max. noise: | 2 mV |
| Accuracy after 1min: | ±3 % (18 °C – 30 °C) |
| Common mode rejection DC/AC 1MHz: | 70 dB / > 50 dB |
| Inputs (CAT III): | 2 safety connectors |
| Input leads: | 2 test leads 50 cm with spring hooks |
| Battery operation: | 9 V battery 6LR61 |
| Input for an external power supply: | 9...16 VDC/30 mA |

HZ109 Differential Probe 1:1 / 10:1 Technical specifications at 23 °C ± 2 °C



| | |
|---|--------------------------------------|
| Differential input voltage (DC + peak AC) max.: | ±3,5 V/35 V |
| Max. input voltage per input: | 100 Vrms |
| Attenuation ratio: | 1:1 |
| Switchable: | 10:1 |
| Bandwidth: | 30/40 MHz |
| Rise time: | 12/9 ns |
| Input impedance: | 8 MΩ 1.2 pF |
| Output impedance: | 50 Ω |
| Max. output voltage: | ±3.5 V at 1 MΩ |
| Max. background noise at x1: | < 8 mVrms |
| at x10: | < 2 mVrms |
| Accuracy after 1min: | ±3 % (18 °C – 30 °C) |
| Common mode rejection DC/AC 1MHz: | 70 dB / > 50 dB |
| Inputs (CAT III): | 2 safety connectors |
| Input leads: | 2 test leads 50 cm with spring hooks |
| Battery operation: | 9 V battery 6LR61 |
| Input for an external power supply: | 9...16 VDC/30 mA |

HZ115 Differential Probe 100:1/1000:1 Technical specifications at 23 °C ± 2 °C



| | |
|---|---|
| Differential input voltage (DC + peak AC) max.: | ± 1500 V |
| Max. input voltage per input: | ± 1500 V |
| Attenuation ratio: | 100:1 |
| Switchable: | 1000:1 |
| Bandwidth: | 20/30 MHz |
| Rise time: | 17/12 ns |
| Input impedance: | 60 MΩ 1.5 pF |
| Output impedance: | 50 Ω |
| Max. output voltage: | ± 1.5 V an 1 MΩ |
| Max. background noise: | 2 mV |
| Accuracy after 1 min: | ± 3 % (18 °C - 30 °C) |
| Common mode rejection DC/AC 1 MHz: | 70 dB / > 50 dB |
| Inputs (CAT III): | 2 safety connectors |
| Input leads: | 2 test leads 75 cm with safety test clips |
| Battery operation: | 9 V battery 6LR61 |
| Input for an external power supply: | 9...16 V DC/30 mA |

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