

# PINTEK High Voltage Probe Selection Guide

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| MODEL                 | HVP-40M                     | HVP-40DM                         | HVP-40                    | HVP-50                    | CP-3308R                      | HVP-08                        | HVP-15HF                     | HVP-10R                        | HVP-18HF                        | HVP-28HF                                      | HVP-39pro                                           | HVP-40pro                                           |
|-----------------------|-----------------------------|----------------------------------|---------------------------|---------------------------|-------------------------------|-------------------------------|------------------------------|--------------------------------|---------------------------------|-----------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Key Feature           | 40 KV DC<br>Analog<br>Meter | 40 KV DC<br>3999 LCD<br>Meter    | 40 KV DC<br>DC<br>Economy | 50 KV<br>DC<br>New Design | 2 KV DC<br>300MHz<br>Read Out | 8 KV DC<br>40MHz<br>Mini Tyoe | 10 KV DC<br>40MHz<br>Economy | 10 KV DC<br>120MHz<br>Read Out | 18 KV DC<br>100 MHz<br>High C/P | 28 KV DC<br>75 MHz<br>High Input<br>Impedance | 34 KV DC<br>50 MHz<br>Premium Model                 | 40KV DC<br>75MHz<br>Premium Model                   |
| Attenuation Ratio     | Analog Meter                | Digital Meter                    | 1000 : 1                  | 1000 : 1                  | 100 : 1                       | 1000 : 1                      | 1000 : 1                     | 100 : 1                        | 1000 : 1                        | 1000 : 1                                      | 1000 : 1                                            | 1000 : 1                                            |
| Input Impedance       | 600 M $\Omega$              | 2000 M $\Omega$                  | 1000 M $\Omega$           | 500 M $\Omega$            | 100 M $\Omega$                | 100 M $\Omega$                | 100 M $\Omega$               | 100 M $\Omega$                 | 200 M $\Omega$                  | 500 M $\Omega$                                | 900 M $\Omega$                                      | 400 M $\Omega$                                      |
| R/C                   | 4 Watt                      | 6 Watt                           | 3Watt                     | 10Watt                    | 0.5W // 3PF                   | 1W // 1PF                     | 1W // 1PF                    | 3W // 2PF                      | 3W // 1.5PF                     | 3W // 1.7PF                                   | 5W // 2PF                                           | 20W // 2PF                                          |
| Bandwidth(Typ)        | DC                          | DC                               | 60 Hz                     | 60 Hz                     | 300 MHz                       | 40 MHz                        | 40 MHz                       | 120 MHz                        | 100 MHz                         | 75 MHz                                        | 50 MHz                                              | 75 MHz                                              |
| Max. DC               | 40 KV                       | 40 KV                            | 40 KV                     | 50 KV                     | 2 KV                          | 8 KV                          | 10 KV                        | 10 KV                          | 18 KV                           | 28 KV                                         | 34 KV                                               | 40 KV                                               |
| Max. AC RMS           | ---                         | ---                              | 28 KV                     | 35 KV                     | 1.4 KV                        | 5.6 KV                        | 7 KV                         | 7 KV                           | 12 KV                           | 20 KV                                         | 18 KV                                               | 20 KV                                               |
| Rise Time             | ---                         | ---                              | ---                       | ---                       | 1.2 nS                        | 8.8 nS                        | 8.8 nS                       | 3 nS                           | 3.5 nS                          | 5 nS                                          | 7 nS                                                | 5 nS                                                |
| Pulse Voltage         | ---                         | ---                              | ---                       | ---                       | ---                           | <5KVp-p                       | <6KVp-p                      | <7KVp-p                        | <12KVp-p                        | <15KVp-p                                      | <18KVp-p                                            | <20KVp-p                                            |
| Loading Current(Max.) | 67 uA                       | 20 uA                            | 40 uA                     | 80 uA                     | 20 uA                         | 80 uA                         | 150 uA                       | 100 uA                         | 90 uA                           | 56 uA                                         | 45 uA                                               | 100 uA                                              |
| Carry Box             | ---                         | ---                              | ---                       | ---                       | ---                           | ---                           | ---                          | ○                              | ○                               | ○                                             | ○                                                   | ○                                                   |
| Read Out              | ○                           | ○                                | ---                       | ---                       | ○                             | ---                           | ---                          | ○                              | ---                             | ---                                           | ---                                                 | ---                                                 |
| Probe Length          | 42 CM                       | 41 CM                            | 32 CM                     | 33 CM                     | 17 CM                         | 21 CM                         | 32 CM                        | 31 CM                          | 31 CM                           | 34 CM                                         | 34 CM                                               | 41 CM                                               |
| Lead Length           | 75 CM                       | 75 CM                            | 100 CM                    | 100 CM                    | 125 CM                        | 180 CM                        | 180 CM                       | 180 CM                         | 180 CM                          | 180 CM                                        | 180 CM                                              | 180 CM                                              |
| Net Weight            | 300 g                       | 290 g                            | 230 g                     | 240 g                     | 31 g                          | 180 g                         | 240 g                        | 430 g                          | 430 g                           | 465 g                                         | 465 g                                               | 600 g                                               |
| Others                | DC only<br>Battery Free     | DC Only<br>Low Loading<br>Effect | 200PPM<br>For DMM<br>only | 100PPM<br>For DMM<br>only | 2KV<br>100:1                  | 8KV<br>Mini Type              | 10KV<br>Economic<br>Model    | High<br>Sensitivity<br>100:1   | 18 KV<br>High C/P               | 500 M $\Omega$<br>High Input<br>Impedance     | High Voltage<br>Premium Model<br>Low Load<br>Effect | High Voltage<br>Premium Model<br>High Pulse Voltage |

※ Specifications and appearance may be changed without prior notice.