

**Vitrek Smart Probe**



**HVL型  
(Bench top型)**

**HVP-35型 (Handheld型)**

**4700 High Voltage Meter Specifications**

**Maximum Voltage Measurement (Input Impedance)**

Direct Input Terminal.....	10kVDC, 10kVACrms (110 Meg ohms)
HVL/P-35 Probe .....	35kVDC, 30kVACrms (200 Meg ohms)
HVL-35G Probe.....	35kVDC (10 Gig ohms)
HVL-70 Probe.....	70kVDC, 50kVACrms (400 Meg ohms)
HVL-70G Probe.....	70kVDC (20 Gig ohms)
HVL-100 Probe.....	100kVDC, 75kVACrms (600 Meg ohms)
HVL-100G Probe.....	100kVDC (30 Gig ohms)
HVL-150 Probe.....	140kVDC, 100kVACrms (1 Gig ohm)

**DC Voltage Measurement Accuracy (Resolution)**

Direct Input Terminal.....	0.03% of reading + 0.03V (10mV)
HVL/P-35 Probe .....	0.035% of reading + 0.07V (100mV)
HVL-35G Probe.....	0.25% of reading + 1.5V (1V)
HVL-70 Probe.....	0.04% of reading + 0.2V (1V)
HVL-70G Probe.....	0.35% of reading + 3.5V (1V)
HVL-100 Probe.....	0.05% of reading + 0.3V (1V)
HVL-100G Probe.....	0.5% of reading + 15 (10V)
HVL-150 Probe.....	0.08% of reading + 0.7V (10V)

**AC Voltage Measurement Accuracy (Resolution)**

Direct Input Terminal.....	0.12% of reading + 0.1V (10mV)
HVL/P-35 Probe .....	0.1% of reading + 0.2V (100mV)
HVL-70 Probe.....	0.1% of reading + 0.4V (1V)
HVL-100 Probe.....	0.1% of reading + 0.6V (1V)
HVL-150 Probe.....	0.5% of reading + 1V (10V)

**High Voltage Self Heating Effect**

Direct Input Terminal.....	1.5 ppm of reading times $kV^2$
HVL/P-35 Probe .....	0.4 ppm of reading times $kV^2$
HVL-70 Probe.....	0.14 ppm of reading times $kV$
HVL-100 Probe.....	0.14 ppm of reading times $kV^2$
HVL-150 Probe.....	0.2 ppm of reading times $kV^2$