

4700 Performance 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 per KV ²
HVL/P-35 Probe.....	0.4 ppm of reading per KV ²
HVL-70 Probe.....	0.14 ppm of reading per KV
HVL-100 Probe.....	0.14 ppm of reading per KV ²
HVL-150 Probe.....	0.2 ppm of reading per KV ²

BP-47バッテリー駆動をご検討の場合：
本体と一緒にご注文が最適です
後付け可能ですが、リチウム電池の
輸入/航空機輸送は、危険物対象となり
困難な場合があります
(別途、バッテリーとチャージャーを国内購入でも可)

ご注文：4700本体、オプションのプロブ、バッテリー等

Ordering Information

4700	Precision High Voltage Meter
BP-47	Internal 11 Hour Battery Pack
GP-47	GPIB (IEEE-488) Interface
HC-47	Hard Carrying Case
RM-47	Rack Mount Kit
HVP-35	35KV Handheld Probe
HVL-35	35KV Bench Top Lab Probe
HVL-70	70KV Bench Top Lab Probe
HVL-100	100KV Bench Top Lab Probe
HVL-150	150KV Bench Top Lab Probe
HVL-35G	35KV High Impedance Lab Probe
HVL-70G	70KV High Impedance Lab Probe
HVL-100G	100KV High Impedance Lab Probe
TL-47	Replacement Test Lead kit

General Specifications

AC/DC Voltage Measurement Resolution:
Selectable 4, 5 or 6 digits
Measurement Functions: DC Voltage, True
RMS AC Voltage, Ripple, Peak to Peak, Crest
Factor & Frequency Measurement (4 digits
0.01 Hz to 600Hz)
Measurement Time: Selectable down to
16mS (60 readings per sec.)
Maximum Input to Common Terminal: 3 KV
Peak for 1 sec, no damage
Accuracy Specifications: Valid one year ± 5C
from Cal temperature

Environmental/Physical

Operating Environment 0 to 50C, <85% RH
(non-condensing)
Dimensions 218mm (8.5") wide x 130mm (5")
high x 253mm (10") deep, nominally
Weight 2.4kg max (4kg shipping)

Power

AC Source 45 to 450Hz, 100 to 265Vrms at
<15W (20VA) using supplied external power
supply
DC Source 11 to 16Vdc at <1.2A, using a
center positive 2.5mm DC power connector
BP-47 Battery Option Up to 11hrs continuous
operation

Standard Accessories

The 4700 and probes are shipped with an ISO
17025 cal cert with data and uncertainties,
direct input test leads, chassis ground lead,
operator's manual, and external power
supply. The HVP handheld probes comes with
a detachable probe tip and the HVL series
probes ship come with a toroid corona shield.

Warranty

Three year extended parts and labor warranty
with no charge registration and annual
factory calibration. One year standard
warranty.

標準保証期間：納品後1ケ年間
(3年間の校正・修理含延長
オプションもあります)

標準付属品：ISO17025 校正証書、
テスト結果報告書 (不確かさ含)
AC電源アダプタ、テストリード、アースリード



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