



## HV Test Unit 60-50

- **Peak measurements directly at the object**
- **AC or DC mode available**
- **Measurement of leakage current**

Pulse mode operation for spot knocking of vacuum components – Peak HV measurement directly at the object – HV measurement AC and DC (both directions) – Measurement of DC leakage current (both directions) – Multiple use for vacuum capacitors, tubes, resistors, transformers, cables, oil and insulating materials of any kind – External measuring possible – Electrical safety features including zero start feature, safety interlocks, grounding bar overload protection – X-ray radiation shielding.

### High Voltage Test Unit

- **HV 60-50**

### Features:

<b>Operation Mode</b>	<b>AC and DC</b>
<b>Output AC</b>	<b>0-60 kV<sub>pk</sub> / 50 mA</b>
<b>Output DC</b>	<b>0-50 kV<sub>pk</sub> / 1 mA</b>
<b>Measure Accuracy</b>	<b>2% (Voltage)</b>
<b>Measure Accuracy</b>	<b>20% (Current)</b>
<b>Dimensions</b>	<b>640x 445x 205 mm<sup>3</sup></b>

More information on our website at [www.comet.ch](http://www.comet.ch)



# HV Test Unit 60-50

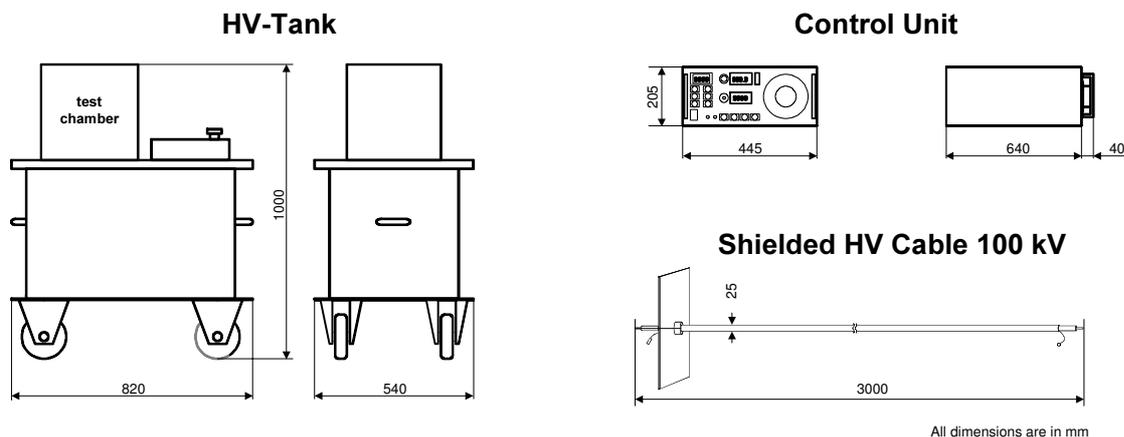
## Technical Specifications

Specifications:	Type HV 60-50 with LVO
<b>Electrical:</b>	
Output AC	0 - 60 kV <sub>pk</sub> /50 mA
DC	0 - 50 kV <sub>pk</sub> /1.0 mA (incl. ripple)
Measurement Ranges: AC	0 - 50 mA <sub>rms</sub>
AC	0 - 1 mA <sub>rms</sub>
DC	0 - 100 µA
Measurement Accuracy:	
Voltage DC/AC	2 %
Current DC/AC	20 %
Modes of Operation: AC	
DC	continuous or intermitting
Period Length of intermitting Operation	positive or negative Polarity
ON-Time versus Period Length	1 s (standard)
Optional Operating Mode (external)	1/2 (standard)
	- Voltage Measurement
	- Voltage Source
Line Input Requirements (to be specified at the time of order)	230 V or 115 V AC 50/60 Hz
Power Consumption	2150 VA
<b>Mechanical:</b>	
<i>Control Unit</i>	
Dimensions (L x W x H)	640 x 445 x 205 mm <sup>3</sup>
Weight	28 kg
<i>HV Tank</i>	
Dimensions (L x W x H)	820 x 450 x 1000 mm <sup>3</sup>
Weight	200 kg
TOTAL	345 kg incl. wooden crack

**Optional Accessorie:** External measurement set, including HV cable 100 kV, 3m  
Remote display unit, including voltmeter and ampere meter

**Ordering No.:** 91500  
**Ordering No.:** 91540

## Outline Drawings



COMET AG  
Herrengasse 10  
CH-3175 Flamatt  
Switzerland  
Tel. +41 31 744 95 00  
Fax +41 31 744 95 90  
Mail to: vc@comet.ch

COMET North America Inc.  
76 Progress Drive  
Stamford, CT 06902  
USA  
Tel. +1 (203) 969 2161  
Fax +1 (203) 969 2162  
Mail to: usa@comet.ch

COMET China  
Longdong Avenue 3000, Shanghai  
Zhangjiang Semiconductor Ind. Park  
Shanghai 201203, P.R. China  
Tel. +86 21 5831 9556  
Fax +86 21 5831 0975  
Mail to: china@comet.ch

