

## HVT HIGH VOLTAGE AC DIVIDER

- FOR AC 50 / 60 Hz MEASUREMENT
- $\pm 0.1\%$  LINEARITY
- $< 2$  mRAD PHASE ERROR
- HIGHLY STABLE OVER TIME

Ohm-Labs HVT High Voltage Transformer is a precision inductive divider for measurement of AC voltages up to 100 kV rms.

It includes ISO17025 Accredited calibration of the divider ratio up to full rated voltage. Calibration can be provided at 50 or 60 Hz, or both.

The nominal output of the divider is 120 V rms at rated input. It may be used up to 100 % of rated input with no de-rating.

The divider ratio remains within  $\pm 0.1\%$  of the mean ratio from 5-100 % voltage. The phase error is  $< 2$  mrad.

High voltage is connected to the top toroid section. The recommended high voltage connection is by a 100 mm / 4 inch diameter aluminum tube fitted onto the top anti-corona ball.

High voltage wire or cable may be connected to the post under the anti-corona ball.

A 4 meter / 12 foot BNC cable connects the output to an AC meter.

A heavy duty ground cable is included.

Paired with the Ohm-Labs HVS High Voltage Standard, the HVT provides labs with near-primary level high voltage measurement capability.



*HVT-100 AC Divider (on dolly)*

Model	HVT-100
AC V Input	100 kV rms
Output	120 V rms
Accuracy*	$< 0.1\%$
*Maximum deviation from mean of divider ratio Environmental: Use: 23 $\pm 5$ °C, 10-70 %RH Storage: 0-50°C, 5-95 %RH Physical: HVT-100: 28x33x66 cm (11x13x26 in) 48 kg (105 lbs)	



ISO17025 accredited calibration included.

