



POWERTRONICS PVT. LTD.

HIPOTRONICS

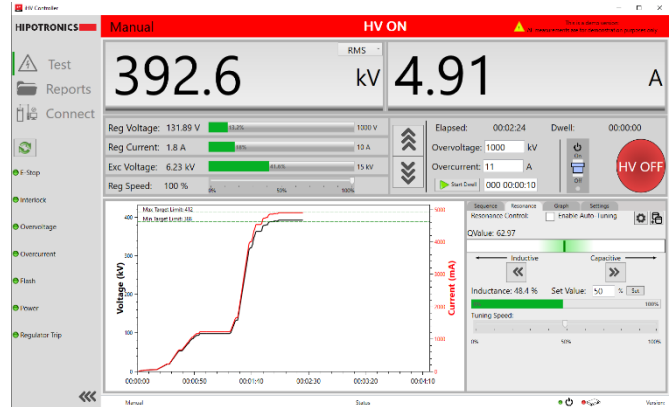
iHV

Intelligent Digital AC and DC Controller – MSR, TSR, UHVDC, AC Test Systems

The iHV is HIPOTRONICS' new state-of-the-art controller designed for AC resonant test systems, and ultra-high voltage DC systems. The iHV is included in our new test systems and available to upgrade existing systems to this modern control solution. The iHV software has a user-friendly interface designed to work in a wide-range of applications. The iHV's intuitive design and flexibility to set different test parameters allows the operator to easily and efficiently complete required tests.

The controller is operated through HIPOTRONICS' software installed on a customer supplied computer. Each iHV is equipped to support standard Ethernet or LC-type fiber optic connections. HIPOTRONICS can also provide a list of communication protocols if customers want to use their own custom control system.

The iHV controller assures accurate voltage and current measurements for users. It also has control and measuring capability for Q value, flash sensitivity, ripple and polarity reversal. The iHV's safety features include external interlock, and E-Stop to ensure safe high voltage operation.



FEATURES

- Rackmount or benchtop** design to meet each customer requirement
- Multiple measurements** including output voltage, current, and ripple
- Adjustable test parameters** such as target voltage, maximum current, ramp rate, and dwell time
- Record and view test results** by saving and exporting results csv, docx or PDF
- Meter and graph display** with zoom and pan capability, and tolerance bars
- Partial Discharge** measurement integration with 3<sup>rd</sup> party PD detector suppliers
- Auto tuning and polarity reversal** for fast and accurate testing

BENEFITS

- Simple to Use** with minimal amount of setup time and intuitive control software allows for simple testing
- Plug & Play** design with previous Windows based controllers
- Multi-functional** for use with AC or DC test systems.
- Efficient** – Saved presets and sequences for repeatable accurate HV testing
- User-Friendly** HIPOTRONICS control software
- Safe Operation** with interlock and emergency stop
- SIL 3 Compatible**

## TECHNICAL SPECIFICATIONS

<b>Voltage Measurement Uncertainty (iHV only)</b>	≤0.5% (from 5-100% of full scale)	
<b>Overall Measurement Uncertainty (iHV with Hipotronics divider)</b>	≤1.5% (from 5-100% of full scale)	
<b>Input</b>	90-265VAC, 50/60Hz	
<b>Dimensions (W x D x H)</b>	19"(483mm) x 17"(425mm) x 6"H(134mm)	
<b>Weight</b>	15 lbs (6.8 kg)	
<b>Safety Features</b>	Emergency Stop	External Warning Light (optional)
	Visual Warning Indicators	Fiber Optic Cable (optional)
	External Interlock	Fiber Optic Estop (optional)
<b>Display</b>	iHV Software on Customer Supplied Computer	
<b>Interfaces</b>	Ethernet and Fiber Optic	
<b>Output Data Format</b>	CSV, docx., PDF	
<b>Calibration Interval</b>	1 year recommended	
<b>Minimum &amp; Recommended Computer Requirements:</b>	<b>Operating System:</b>	Windows 10
	<b>CPU:</b>	Intel or AMD processor with 64-bit support   <b>Recommended:</b> 2.6 GHz or Faster
	<b>Hard Drive:</b>	Program Size – 70 MB   <b>Recommended:</b> 128 GB+ Solid-State Drive (SSD) with 50 GB free disk space
	<b>Memory (RAM):</b>	4 GB Minimum   <b>Recommended:</b> 8 GB
	<b>Monitor Resolution:</b>	1280x800   <b>Recommended:</b> 1920x1080
	<b>Ports:</b>	Ethernet
<b>ECCN:</b> EAR99	<b>HTS:</b> 8537200040	

### Important Notes:

- Onsite engineering service required for any purchase. FSE-ENGINEER will be quoted separately to include install, training and system calibration.
- Cables not included unless otherwise specified in quotation.
- Computer not supplied with iHV

	Electronic Components		High Voltage Components	
	Temperature	Humidity (r.h. non-condensing)	Temperature	Humidity (r.h. non-condensing)
<b>Operation</b>	-10°C ... +50°C	5 ... 95%	-10°C ... +50°C	5 ... 95%
<b>Storage</b>	-20°C ... +70°C	5 ... 95%	-20°C ... +70°C	5 ... 95%

## SCOPE OF SUPPLY

6ft input power cord  
 Interlock plug  
 Digital copy of manual and iHV software  
 Calibration certificate (as part of FSE-ENGINEER)

## STANDARD OPTIONS

**DI-FO-IHV** – Fiber optic cables (30m)  
**DI-FO-ESTOP-IHV** – Fiber optic estop  
**HH-WARN-HV** – Warning light with magnetic base  
**EXT-WARN-1** – One-year extended warranty



## TAURUS POWERTRONICS PVT LIMITED

Corporate Off.: No. 26, "Mahadimane", 12th Main, 1st Block, Rajajinagar, Bengaluru - 560 010. INDIA., Tel : + 91 80 23012301  
 Email : info@tauruspowertronics.com, care@tauruspowertronics.com, WhatsApp : +91 73496 44344  
 Sales & Service Off.: No. 648/54, KLE College 2nd Block, Rajajinagar, Bengaluru - 560 010. INDIA, Tel : + 91 80 2352 2136/74

BENGALURU  
 DELHI  
 KOLKATA  
 MUMBAI