The production line Hipot instrument that sets the standard.

Our Hypot III series of manual Hipot instruments sets the standard for production line safety compliance testing. We’ve packed these instruments with productivity-enhancing features and proven safety technology to reduce the safety compliance bottleneck on the production line. All models include basic Continuity test capability for compliance with international standards as well as advanced functions like our patented SmartGFI operator safety circuit and PLC I/O. Interconnect the Hypot III with a HYAMP III Ground Bond instrument to form a complete safety compliance test system. Interested in automation and data collection? The Hypot III series is now available with a standard RS-232 interface.

Choose from the following at no charge:

- **3705**: 
  - AC Hipot
  - DC Hipot
  - Insulation Resistance
  - Ground Continuity

- **3765**: 
  - AC Hipot
  - DC Hipot
  - Insulation Resistance

- **3770**: 
  - DC Hipot
  - Insulation Resistance
  - Ground Continuity

- **3780**: 
  - 500 VA
  - *meets 200 mA short circuit requirements

*meets 200 mA short circuit requirements

**SAFETY FEATURES**

- **SmartGF®**
  - Automatic operator shock protection

- **Remote Safety Interlock**
  - Early disable HV output

**PRODUCTIVITY-ENHANCING FEATURES**

- **PLC Remote**
  - Basic PLC relay control

- **CAL-ALERT®**
  - Tracks and alerts for calibration

- **VERICHK®**
  - Includes preset verification tests

- **Inter-Connection**
  - Interface with a HYAMP III to form a complete safety compliance test system

- **Accredited Cal**
  - Accredited calibration options available

**SPECIAL FEATURES**

- **EN 61010-1**
- **EN 61010-31**
- **Accredited calibration options available**

**REQUEST A LIVE WEB DEMO**
### Input Specifications

**Voltage**  
3705/3765/3770 | 115/230 VAC ± 10%, user selectable  
3780 | 115/230 VAC ± 15%, automatically selected  
**Frequency**  
50/60 Hz ± 5%  
**Fuse**  
3705/3765/3770 | 3.15 A, fast acting 250 VAC  
3780 | 15 Amp, Slow Blow 250 VAC  

### Dielectric Withstand Test Mode

**Output Rating**  
3705/3765/3770 | 5000 V @ 20 mAAC  
6000 V @ 7.5 mADC  
3780 | 5000 V @ 100 mAAC  

#### Output Short Circuit Current

3780 | > 200 mA

### Insulation Resistance Test Mode

**Voltage Setting**  
Range: 30 - 1000 VDC  
Resolution: 1 V  
Accuracy: ± (2% of setting + 5 V)  

**Resistance Display**  
Range: 1 - 9999 MΩ (4 Digit, Auto Ranging)  
Resolution: 500 VDC - 1000 VDC  
Accuracy: ± (2% of reading + 2 counts) at test voltage  
Minimum Limit: 0, 1 - 9999 MΩ (0=OFF)  
Resolution: 1 MΩ  
Accuracy: Same as Resistance Display  

**Delay Timer**  
Range: 0, 0.5 - 999.9 sec (0 = Continuous)  
Resolution: 0.1 sec  
Accuracy: ± (0.1% of reading + 0.05 sec)  

**GFI Trip Current**  
450 µA max  

**HV Shut Down Speed**  
< 1 ms  

### General Specifications

**Mechanical**  
Bench or rack mount with tilt up feet  
**Dimensions**  
3705/3765/3770: (W x H x D) 8.46 x 3.5 x 14.57 in. (215 x 89 x 370 mm)  
3780: (W x H x D) 16.93 x 5.24 x 13.78 in. (430 x 133 x 350 mm)  
**Weight**  
3705/3765/3770: 20.96 lbs (9.53 kg)  
3780: 49 lbs (23 kg)  
**Interface**  
RS-232 interface standard for entry-level automation  
**Memory**  
10 Memories, 3 steps per memory  

---

Specifications subject to change without notice.  
For more information on testing to a specific standard, refer back to the Common Safety Standard Reference Chart.