

# Find the Hypot that's Right for You

| Models                     | 3805                                                                                                                                                                                                                      | 3855                                                                                                                                                                                                                                                                                                                        | 3865                                                                                                                                                                                                                                                                                                                                                                                 | 3870                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Capabilities          | AC Hipot<br>Ground Continuity                                                                                                                                                                                             | AC Hipot<br>Ground Continuity<br>Insulation Resistance                                                                                                                                                                                                                                                                      | AC Hipot<br>DC Hipot<br>Ground Continuity                                                                                                                                                                                                                                                                                                                                            | AC Hipot<br>DC Hipot<br>Ground Continuity<br>Insulation Resistance                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Test Specifications        | <b>AC Hipot</b><br>Voltage Output = 0-5000VAC<br>Leakage Current Limits = 0.00-20.0mA<br>Output Frequency = 50/60Hz<br><br><b>Ground Continuity</b><br>Current = DC 0.1A ± 0.01A, fixed<br>Resistance Limits = 0.0Ω-1.50Ω | <b>AC Hipot</b><br>Voltage Output = 0-5000VAC<br>Leakage Current Limits = 0.00-20.0mA<br>Output Frequency = 50/60Hz<br><br><b>Ground Continuity</b><br>Current = DC 0.1A ± 0.01A, fixed<br>Resistance Limits = 0.0Ω-1.50Ω<br><br><b>Insulation Resistance</b><br>Voltage Output = 30-1000VDC<br>Resistance Range = 1MΩ-50GΩ | <b>AC Hipot</b><br>Voltage Output = 0-5000VAC<br>Leakage Current Limits = 0.00-20.0mA<br>Output Frequency = 50/60Hz<br><br><b>DC Hipot</b><br>Voltage Output = 0-6000VDC<br>Leakage Current Limits = 1μA-7.500mA<br>DC Ripple ≤ 5% Ripple RMS at 6KVDC @ 7.5mA, Resistive Load<br><br><b>Ground Continuity</b><br>Current = DC 0.1A ± 0.01A, fixed<br>Resistance Limits = 0.0Ω-1.50Ω | <b>AC Hipot</b><br>Voltage Output = 0-5000VAC<br>Leakage Current Limits = 0.00-20.0mA<br>Output Frequency = 50/60Hz<br><br><b>DC Hipot</b><br>Voltage Output = 0-6000VDC<br>Leakage Current Limits = 1μA-7.500mA<br>DC Ripple ≤ 5% Ripple RMS at 6KVDC @ 7.5mA, Resistive Load<br><br><b>Ground Continuity</b><br>Current = DC 0.1A ± 0.01A, fixed<br>Resistance Limits = 0.0Ω-1.50Ω<br><br><b>Insulation Resistance</b><br>Voltage Output = 30-1000VDC<br>Resistance Range = 1MΩ-50GΩ |
| Safety                     | Safety Interlock<br>SmartGFI®<br>Security Access                                                                                                                                                                          | Safety Interlock<br>SmartGFI®<br>Security Access                                                                                                                                                                                                                                                                            | Safety Interlock<br>SmartGFI®<br>Security Access                                                                                                                                                                                                                                                                                                                                     | Safety Interlock<br>SmartGFI®<br>Security Access                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Productivity               | Programmable Memory<br>Arc Detection<br>Single Step<br>FailCHEK®<br>Cal Alert®                                                                                                                                            | Programmable Memory<br>Arc Detection<br>Single Step<br>FailCHEK®<br>Cal Alert®                                                                                                                                                                                                                                              | Programmable Memory<br>Arc Detection<br>Single Step<br>FailCHEK®<br>Cal Alert®                                                                                                                                                                                                                                                                                                       | Programmable Memory<br>Arc Detection<br>Single Step<br>FailCHEK®<br>Cal Alert®                                                                                                                                                                                                                                                                                                                                                                                                         |
| Automation                 | USB                                                                                                                                                                                                                       | USB                                                                                                                                                                                                                                                                                                                         | USB                                                                                                                                                                                                                                                                                                                                                                                  | USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Warranty                   | Standard 5 Year Warranty                                                                                                                                                                                                  | Standard 5 Year Warranty                                                                                                                                                                                                                                                                                                    | Standard 5 Year Warranty                                                                                                                                                                                                                                                                                                                                                             | Standard 5 Year Warranty                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Production Test Compliance | IEC/UL 60335-1<br>IEC 60598-1<br>IEC/UL 60601-1<br>IEC/UL 60950-1<br>IEC/UL 61010-1<br>IEC 61851-1<br>UL 45A<br>UL 2202<br>UL 1598/CSA C22.2 No. 250.0-08                                                                 | IEC/UL 60335-1<br>IEC 60598-1<br>IEC/UL 60601-1<br>IEC/UL 60950-1<br>IEC/UL 61010-1<br>IEC 61851-1<br>UL 45A<br>UL 2202<br>UL 1598/CSA C22.2 No. 250.0-08                                                                                                                                                                   | IEC/UL 60335-1<br>IEC 60598-1<br>IEC/UL 60601-1<br>IEC/UL 60950-1<br>IEC/UL 61010-1<br>IEC 61851-1<br>UL 45A<br>UL 2202<br>UL 1598/CSA C22.2 No. 250.0-08                                                                                                                                                                                                                            | IEC/UL 60335-1<br>IEC 60598-1<br>IEC/UL 60601-1<br>IEC/UL 60950-1<br>IEC/UL 61010-1<br>IEC 61851-1<br>UL 45A<br>UL 2202<br>UL 1598/CSA C22.2 No. 250.0-08                                                                                                                                                                                                                                                                                                                              |
| Type Test Compliance       | BS EN 60204-1<br>IEC/UL 60601-1<br>IEC 61730-1<br>UL 1703<br>UL 2202<br>UL 1598/CSA C22.2 No. 250.0-08                                                                                                                    | BS EN 60204-1<br>IEC/UL 60601-1<br>IEC 61730-1<br>UL 1703<br>UL 2202<br>UL 1598/CSA C22.2 No. 250.0-08                                                                                                                                                                                                                      | BS EN 60204-1<br>IEC/UL 60601-1<br>IEC 61730-1<br>UL 1703<br>UL 2202<br>UL 1598/CSA C22.2 No. 250.0-08                                                                                                                                                                                                                                                                               | BS EN 60204-1<br>IEC/UL 60601-1<br>IEC 61730-1<br>UL 1703<br>UL 2202<br>UL 1598/CSA C22.2 No. 250.0-08                                                                                                                                                                                                                                                                                                                                                                                 |
| In the Box                 | Hypot Instrument<br>High Voltage Cable<br>Return Cable<br>Fuse<br>USB Cable<br>Line Cord<br>Adapter Box<br>Interlock Disable Key                                                                                          | Hypot Instrument<br>High Voltage Cable<br>Return Cable<br>Fuse<br>USB Cable<br>Line Cord<br>Adapter Box<br>Interlock Disable Key                                                                                                                                                                                            | Hypot Instrument<br>High Voltage Cable<br>Return Cable<br>Fuse<br>USB Cable<br>Line Cord<br>Adapter Box<br>Interlock Disable Key                                                                                                                                                                                                                                                     | Hypot Instrument<br>High Voltage Cable<br>Return Cable<br>Fuse<br>USB Cable<br>Line Cord<br>Adapter Box<br>Interlock Disable Key                                                                                                                                                                                                                                                                                                                                                       |
| Instrument Dimensions      | 8.5 x 3.5 x 11.9 in (215 x 88.1 x                                                                                                                                                                                         | 8.5 x 3.5 x 11.9 in (215 x 88.1 x                                                                                                                                                                                                                                                                                           | 8.5 x 3.5 x 11.9 in (215 x 88.1 x                                                                                                                                                                                                                                                                                                                                                    | 8.5 x 3.5 x 11.9 in (215 x 88.1 x                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                             |                                                     |                                                     |                                                     |                                                     |
|---------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
|                                             | 300 mm)                                             | 300 mm)                                             | 300 mm)                                             | 300 mm)                                             |
| Weight                                      | 12 lbs (5.46 kg)                                    | 12 lbs (5.46 kg)                                    | 12 lbs (5.46 kg)                                    | 12 lbs (5.46 kg)                                    |
| Shipping Dimensions & Weight (out-the-door) | Dimension: 19 x 15 x 10 in<br>Weight: 14 lbs (7 kg) | Dimension: 19 x 15 x 10 in<br>Weight: 14 lbs (7 kg) | Dimension: 19 x 15 x 10 in<br>Weight: 14 lbs (7 kg) | Dimension: 19 x 15 x 10 in<br>Weight: 14 lbs (7 kg) |