

# YP-30H High Voltage Cable & Harness Tester

The YP-30H HiPot Wired Assemblies Tester performs high voltage testing up to 1500V includes dielectric, resistance and insulation procedures.

Modularity provides virtually unlimited scalability. The YP-30H has been developed to verify the most complex harnesses. One extraordinary aspect of the YP-30H is the ability to conduct tests while controlling switches, relays, LEDs and any other equipment embedded in cables that work using external power supplies. The YP-30H significantly and costeffectively improves yields and minimizes testing costs.

## Features & Benefits

- Test of continuity resistance, insulation resistance and leakage current
- Open/short continuous test between any two predefined pins
- Selection of voltage, current or resistance configured for one or a group of chains
- Functional testing option
- Performs self-learning
- Windows operating system
- User-friendly, menu driven software  
No programming experience needed
- GUI in customer's language (Optional)
- Imports wiring lists from CAD/CAM or host computer (DIT-MCO programs translator optional)
- Implements high capacity database for reports, wiring lists and UUT connector types (Including UUT pins designation)
- Includes automatic BIT and initiated selftest
- Complies with MIL-C3885F  
(Cable Assemblies and Cord Assemblies Electrical Standard)



## Testing parameters

### Continuity Res

- Current - 10mA, 100mA, 500mA (1A opt)  $\pm 10\%$
- Resistance - (2W) - 0.2 $\Omega$  to 100K $\Omega$   $\pm 5\%$   $\pm 0.2\Omega$
- Resistance - (4W) - 0.5 m $\Omega$  to 100K $\Omega$   $\pm 5\%$   $\pm 0.2m\Omega$

### Insulation Res.

- Voltage - 100 to 1500Vdc (50 Volt steps)  $\pm 5\%$   $\pm 5V$
- Resistance - Up to 1G  $\Omega$   $\pm 5\%$
- Wait time - 50 mS to 60 Sec. (conditional or fixed)

### Dielectric Strength

- Voltage - 200 to 1000Vdc/ac\* (50 Volt steps)  $\pm 3\%$   $\pm 5V$
- Leakage current - 0.1mA to 1mA  $\pm 10\%$   $\pm 20\mu A$
- Dwell time - 50 mS to 60 Sec.

### Component testing

- Resistance (2W) - 0.1 $\Omega$  to 250M $\Omega$   $\pm 5\%$   $\pm 0.1\Omega$
- Capacitance - 200pF to 10mF  $\pm 5\%$   $\pm 100pF$
- Diodes, Zeners, LEDs forward voltage up to 2VDC  $\pm 20mV$
- Filters & component networks (AC signature)



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