



# ALT Series - AC High Voltage Aerial Lift Dielectric Test Set

0 – 300 kV AC Power Frequency AC Hipot

# ALT-300F

0 - 300 kV AC, 7 kVA

The **ALT-300F** from our ALT Series of field portable AC hipot test sets is primarily designed for testing the dielectric strength of aerial lifts, booms, and bucket trucks per the ANSI 92.2 standard. With a continuously adjustable AC voltage, 2 range voltmeter, multi range current meter and built in timer, the ALT Series are also a great choice for a pass/fail, AC over-voltage withstand testing on larger capacitive loads such as switchgear, buss duct or other substation apparatus. For lower power requirements please see our **PFT Series** and **ABT Series**. For higher power requirements see our **FPA, HPA and PAR** lines.

- Secondary connected 2 Range Voltmeter: 120/300kV
- 2 Range Current Meter: 0-250uA and 0-1.0mA with x1, x10, x100 multipliers up to 100 mA
- 19 inch rack benchtop style control
- Fixed overload set to 120% of variable transformer rated output current
- Transit protected meters prevent meter damage between test sites
- Guard/Ground circuit for accurate leakage current measurement
- Zero Start and External safety Interlock provisions

Model	ALT-300F
Input	230 V, 50/60 Hz, 30 A
Output	300kV AC, 7kVA resistive load 7kVA capacitive load Output current is reduced at lower voltages
Duty	7kVA: 1 hour ON, 2 hour OFF 5 kVA: continuous
Voltmeter	3.5", scaled 120/300kV kV AC, ±2% F.S.
Current Meter	3.5", scaled 0-250uA and 0-1.0mA ±2% F.S. with range multipliers of x1, x10, x100 up to 100 mA
Distortion	Less than 5%
Size & Weight (W x D x H)	Control: 21 x 15.5 x 15.25 in., 80 lb. 534 x 394 x 387 mm, 36 kg HV Tank: 28 x 28 x 69 in., 1050 lb. 712 x 712 x 1753 mm, 476 kg
Output Termination	Top toroid
Scope of Supply	20ft black ground lead, 20ft shielded return cable, external interlock plug, operations manual, calibration certificate



**ALT Series:** Other models are available from 100 kVac – 300 kVac, 7.2 kVA

## Optional Accessories

### Hand & Foot Safety Switches



PN 90-405

PN 90-410

### Safety Ground Sticks



10 inch PN 88-113

14 inch PN 88-150

## Optional Upgrades

- Digital Metering – Add Suffix "D"
- Secondary Capacitance
- Cancellation Circuit - PN 90-225