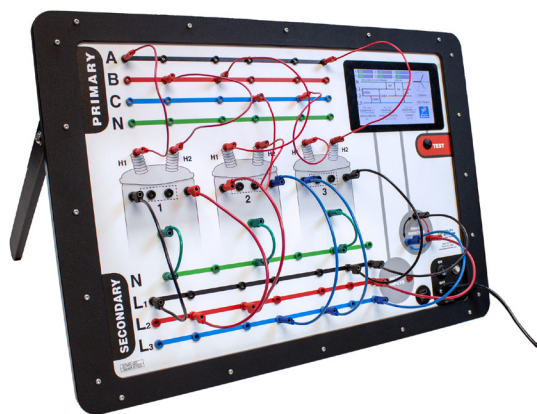


SAFETY & TRAINING

Load-Trainer™ II

Transformer Simulator



The Load-Trainer™ II provides an immersive learning experience for transformer banking and 3 phase simulation. Real-time information is displayed when the 'TEST' button is pressed.

Demonstrate complex concepts in electrical distribution systems:

- Wye/Delta Configurations
- Open vs Closed Banks
- Multiple Secondary Voltage Options
- Troubleshooting Practice
- Transformer Polarity
- Phase Rotation
- Secondary Backfeed Hazards
- Floating Neutral Configurations

Item Number:	Description:
XFMR-001-H	LOAD-TRAINER™ II TRANSFORMER SIMULATOR WITH HARD CASE
XFMR-001-LEADSET	LOAD-TRAINER™ II TRANSFORMER SIMULATOR EXTRA SET OF COLOR CODED PATCH CORDS

Grounds Tester

High Current, 600 amp AC Voltage Grounds Tester



The Grounds Tester is portable, compact and utilizes a voltage (AC) at high current to measure voltage drop across personal grounding equipment. Pass/fail determinations are made by comparing the voltage drop to convenient charts in the manual and on the case lid.

Equipped with REACH technology and an integrated voltmeter, a ground assembly can be tested at various points to quickly troubleshoot defects in the assembly.

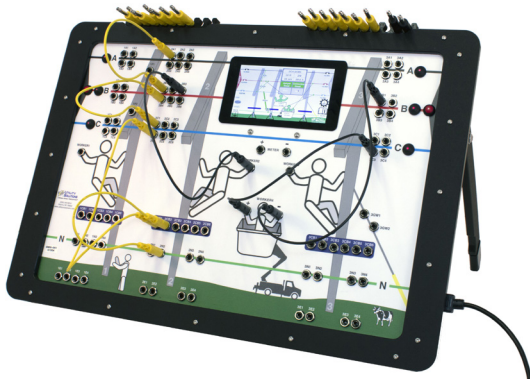
The Grounds Tester can evaluate cable sizes from #2 to double 4/0 and plugs into a standard 120V, 15 amp receptacle and features improved thermal overload protection. Optional adapters are available from Utility Solutions for use with the Grounds Tester.

Item Number:	Description:
USGT-600	PROTECTIVE GROUND TESTER
USGT-600-15KVBUSHING	USGT-600 15 kV LOADBREAK BUSHING ADAPTER
USGT-600-15KVELBOW	USGT-600 15 kV LOADBREAK ELBOW ADAPTER

Item Number:	Description:
USGT-600-27KVBUSHING	USGT-600 27 kV LOADBREAK BUSHING ADAPTER
USGT-600-27KVELBOW	USGT-600 27 kV LOADBREAK ELBOW ADAPTER
USGT-600-SUB	USGT-600 GROUNDS TESTER 3 1/8" OD SUBSTATION CLAMP ADAPTER

Overhead Grounds-Trainer™

Personal Protective Grounding Simulator



The Overhead Grounds-Trainer™ provides a portable, immersive learning experience for complex concepts. The simulator also allows for recreating field scenarios using interactive disconnect switches and source buttons.

Demonstrate complex concepts:

- Distribution of Fault Currents
- Ground Potential Rise
- Step & Touch Potential
- Soil Resistivity
- Resistance of Personal Protective Ground Sets (PPG)

Real world variables:

- System Voltages
- PPG & Connection Quality
- Soil Type & Temperature
- Broken Conductors
- Induction
- Backfeed

Configure multiple grounding styles and work methods:

- Shunt vs Umbrella Configurations
- Single Point Grounding
- Bracket Grounding
- Equipotential Zone Grounding (EPZ)
- Equipment Grounding
- Parallel Grounds

Item Number:	Description:
GNDS-001-H	OVERHEAD GROUNDS-TRAINER™ SIMULATOR WITH HARD CASE
GNDS-001-LEADSET	OVERHEAD GROUNDS-TRAINER™ SIMULATOR SET OF LEADS

Underground Grounds-Trainer™

Personal Protective Grounding Simulator



The Underground Grounds-Trainer™ combines a physical wiring environment with computer-controlled and WiFi-enabled simulation software. In addition to installing jumpers, users can connect wirelessly to the unit to create and observe real-time results of concepts and field scenarios like never before.

The simulator also features interactive disconnect switches, source buttons, and an included 10.2" iPad which wirelessly connects to the unit, allowing instructors ultimate freedom and flexibility.

Demonstrate complex concepts:

- Radial vs Loop Circuits
- Basic Switching and Phasing
- Neutral Currents & Total Isolation
- Ground Potential Rise
- Step & Touch Hazards
- Cable ID & Verification

Real world variables:

- PPG & Connection Quality
- URD Cable & Overhead Faults
- Soil Type & Temperature
- Secondary Backfeed Hazards

Configure multiple grounding styles and work methods:

- Radial, Open & Closed Loop Circuits
- Equipotential Zone Grounding (EPZ)
- Grounding Transformers & Riser Poles

Item Number:	Description:
GNDS-002-H	UNDERGROUND GROUNDS-TRAINER™ SIMULATOR WITH HARD CASE
GNDS-002-LEADSET	UNDERGROUND GROUNDS-TRAINER™ SET OF LEADS