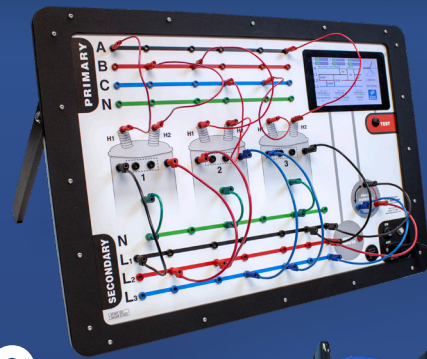




Introducing the **Upgraded Load-Trainer™ 2.0**

Utility Solutions is releasing an updated Transformer Simulator featuring an enhanced digital interface, improved visualization, and a new troubleshooting mode—driven by customer feedback and the success of the XFMR-001.

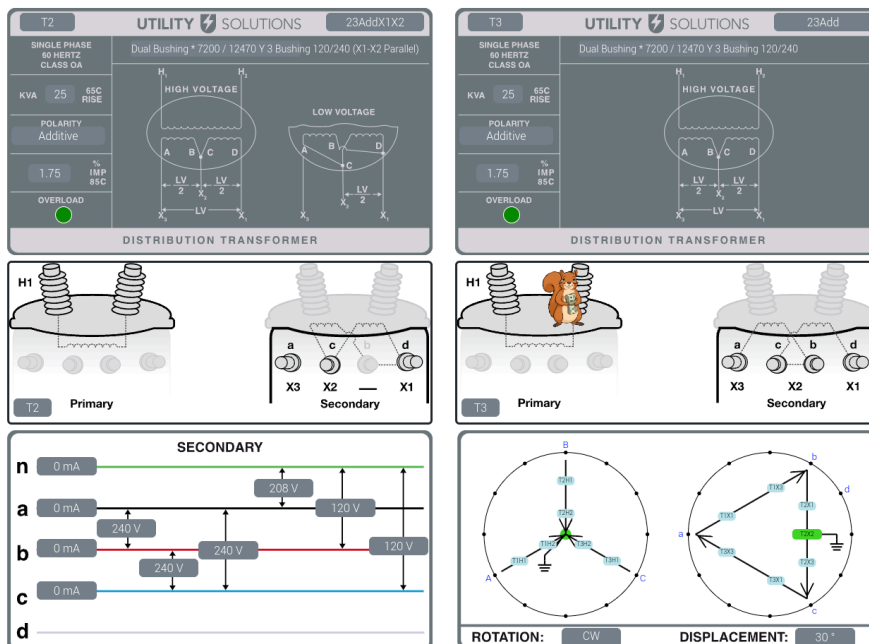


XFMR-001
(Previous Model)

XFMR-002
(Updated Model)



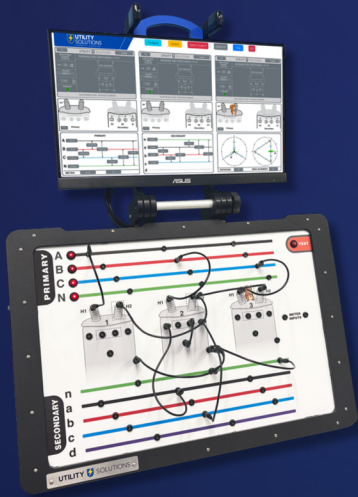
WHERE TACTILE MEETS DIGITAL



- Integrated 21" touch screen TV with HDMI connection
- "X-Ray View" representing internal transformer and coil configurations
- New nameplate feature
- Upgraded vector diagram system
- Supports unique transformer configurations
- New troubleshooting mode
- Uniform banana plug inputs

TRAINING SIMULATORS

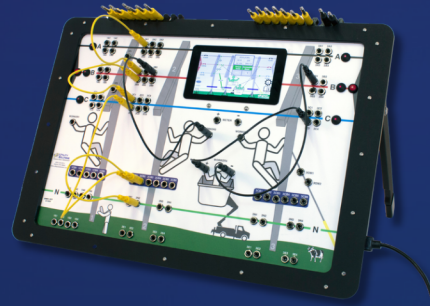
Hands-On Training Without the Hazard



Load-Trainer™ 2.0 Transformer Simulator

Provides an enhanced learning experience for transformer banking and 3 phase simulation. Upgraded features: enhanced visualization, detailed insights, & troubleshooting mode.

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



Overhead Grounds-Trainer™ Personal Protective Grounding Simulator

Demonstrates complex concepts, real world variables, multiple grounding styles and work methods:

- | | |
|---|--------------------------------------|
| • Distribution of Fault Currents | • Induction |
| • Ground Potential Rise | • Backfeed |
| • Step & Touch Potential | • Shunt vs Umbrella Configurations |
| • Soil Resistivity | • Single Point Grounding |
| • Resistance of Personal Protective Ground Sets (PPG) | • Equipotential Zone Grounding (EPZ) |
| • System Voltages | • Equipment Grounding |
| • PPG & Connection Quality | • Parallel Grounds |
| • Soil Type & Temperature | |
| • Broken Conductors | |



Underground Grounds-Trainer™ Personal Protective Grounding Simulator

Demonstrates complex concepts, real world variables, multiple grounding styles and work methods, and allows users to connect wirelessly with their device to observe real-time results.

- | | |
|-------------------------------|---------------------------------------|
| • Radial vs Loop Circuits | • Radial, Open & Closed Loop Circuits |
| • Basic Switching & Phasing | • Grounding Transformers & Isolator |
| • Neutral Currents & Total | • Equipotential Zone Grounding (EPZ) |
| • Ground Potential Rise | |
| • Step & Touch Hazards | |
| • Cable ID & Verification | |
| • PPG & Connection Quality | |
| • URD Cable & Overhead Faults | |
| • Soil Type & Temperature | |
| • Secondary Backfeed Hazards | |