



# Model 1660 Surge Tester

Surge testing is undoubtedly the most comprehensive single test available for wound products. Its primary function is verification of insulation integrity. In rapid Go/No-Go testing, the 1660 detects latent and existing insulation failures such as turn-to-turn shorts, layer-to-layer shorts, coil-to-coil winding shorts, and phase-to-phase shorts are best detected by surge testing. Open circuit and ground detection are secondary benefits: verification of insulation integrity of simple coils, chokes, solenoids, transformers, stators, field coils and other wound products make the quality conscious manufacturer.

## Testing Features

- Digital display of voltage and deviation with digital limit selection.
- Unique go, no-go operation with automatic reject.
- Tests solenoids, chokes, transformers, stators and other wound products.
- Detects shorted turns as well as opens and grounds.
- Masterless operation, does not depend on operator judgment.
- SCR high voltage switching and solid state control circuitry.

Specifications	Operation and Theory
Input Voltage	115 volts +/- 15%, 47 – 63Hz
Output Voltage	400 – 5000 volts DC Peak
Discharge Capacitance	0.02 MFD
Pulse Energy	Variable to 0.25 watts-seconds
Minimum Load Impedance	20 Ohms/KV recommended
Dwell Timer	Variable up to 5 seconds
Repetition Rate	Line Frequency
Terminations	3 High Voltage (Alden) Sockets
Dimensions	(W*H*D) 19 * 5.25 * 17.5 in.
Weight	Weight: 39 lbs.
Shipping Information	(W*H*D) 26 * 14 * 23 in. Weight: 46 lbs.