

CONESTOGA WORKS

PURVEYOR OF FINE TOOLS FOR THE WOODWORKER



LICHTENBERG FIGURE WOOD BURNER II™

DETAILS:

A state-of-the-art high voltage wood burner designed with user safety as a paramount feature.

Power supply specifications:

- North American model, Voltage 110 Volt AC, 60 Hertz, 250 Watts.
- International model, 220 Volt AC, 50 Hertz, 250 Watts, Configured with plug for the local country's receptacle.
- Output voltage 10,000-volt RMS.
- Output current 25± mA RMS.
- Manufactured in North America.
- CSA Listed.

Momentary foot activator switch. Press to turn the unit on – release to turn the unit off.

Indicator lamp illuminates when unit is on.

Custom CNC manufactured insulated nonconductive ABS plastic case with built-in insulated pockets for probe storage. Complies with UL Flammability Rating 94V-0. RoHS compliant. Made in USA.

48" insulated High Flex GTO-15 leads by Omni Cable.

Lead specifications:

- 15,000-volt service use.
- Dielectric strength in Mils = 650V/Mil = (55,250 volts).
- Insulation wall thickness = 85 Mils.
- 14 AWG copper strands.
- Manufactured in USA
- Tested IAW *UL Standard # 814, UL Standard for Safety Gas-Tube-Sign cable.*

Custom designed phenolic probes with safety ring to protect the user from the brass probe tips.

Probe specifications:

- Phenolic probe material,
 - Inner tube:
 - Grade XX Phenolic tube constructed from a cellulosic paper combined with a phenolic resin binder.
 - 3/16 id x 5/16 od, 0.0625" wall thickness.
 - Dielectric strength in Mils = 200 V/Mil (12,500 volts).
 - Tested per ASTM D-348, Standard Test Methods for Rigid Tubes Used for Electrical Insulation.
 - Outer tube:
 - Grade XX Phenolic tube constructed from a cellulosic paper combined with a phenolic resin binder.
 - 5/16 id x 9/16 od, 0.125" wall thickness.
 - Dielectric strength in Mils = 200 V/Mil (25,000 volts).
 - Tested per ASTM D-348, *Standard Test Methods for Rigid Tubes Used for Electrical Insulation.*
- Acrylic washer on probes:
 - Polymethyl-methacrylate material (*Plexiglas*).
 - 1/8" thick.
- Dielectric strength in Mils = 400V/Mil (50,000 volts).
 - Tested per ASTM D-149, *Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies.*