Components:

#112-50-001  Cover for 115 Volt Lubricity Tester
  Heat Cup
#112-50-001-1 Cover for 230 Volt Lubricity Tester
  Heat Cup
#112-50-002  Cup
#130-25  Heating Element, 115 Volt, 150 Watt
#130-31  Thermostat, 50 - 300°F
#130-38-011  Thermostat 93.3° C
#130-38-3  Lamp for Thermocup
#130-38-5  Power Cord For 115 Volt Thermocup
#130-76-03  Thermocouple
#164-34  Male Connector, for 230 Volt
#165-40-2  Cable, 18GA, 3-Conductor, for 230 Volt
#170-09  Insulation Board
#171-32  Midget Knob
Introduction:
Cup heaters are designed for controlling temperature of a mud sample while taking readings with a Lubricity Tester.

Caution:
1. Do not heat fluid over 200°F.
2. Do not immerse cup heater in water when cleaning.

Procedure:
1. Plug the cord into 115 or 230 volts AC as indicated on the nameplate (#112-50 is 115 V, #112-50-1 is 230 V).
2. Turn the thermostat clockwise to about three-fourths of the range, which will be 185°F, and allow 15 minutes for heat-up. The pilot light will light when the well reaches the set temperature.
3. Place an OFITE #154-00 or #154-10 Thermometer in provided thermometer hole on the side of the well to read well temperature. The thermostat should be set about 50°F above desired mud temperature.
4. With the well preheated, place the cup of mud in the well. Stir mud frequently, checking also with a thermometer. When the mud approaches the desired temperature, cut the thermostat back about ¼ turn to avoid overheating.
5. Place entire assembly on base of OFITE Lubricity Tester.
6. Carefully raise the cup stand while swinging the torque arm in place.
7. Raise or lower instrument to proper depth and stir. Recheck the temperature and take reading. Adjustment of temperature may be needed if instrument block and ring are cold.