Components:

#112-50-001  Cover, 115 Volt
#112-50-001-1  Cover, 230 Volt
#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  AC Power Cord, 115 Volt
#130-76-03  Thermocouple
#152-38  AC Power Cord, 230 Volt
#170-09  Insulation Board
#171-32  Midget Knob

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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.

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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.