AMPROBE®
POWER FACTOR / VOLTMEDE / AMMETER
MODEL: PF 1000 (60 Hz)  MODEL: PF 1050 (50 Hz)
RANGES AND ACCURACY:
**POWER FACTOR ACCURACY (80V-550V)(10A-1000A)
30-99.9 % Power Factor**
0-99.9%9999 AC Volts ±1%, ±2%, ±3%
0-99.9%9999 A.C. Amps ±1%, ±2%, ±3%
**BASED ON SINUSOIDAL WAVEFORM**

**POWER REQUIREMENTS:**
115 Volts - 60Hz (Model PF 1000)
230Volts - 50Hz (Model PF 1050)

PRECAUTIONS FOR PERSONAL AND INSTRUMENT SAFETY
1. Read these instructions thoroughly and follow them carefully.
2. In many instances you will be working with dangerous levels of voltage and/or current. Therefore it is important that you avoid contact with any uninsulated current-carrying surfaces. Appropriate insulating gloves and clothing should be worn.
3. Before connecting or disconnecting the instrument to or from the circuit to be tested, turn off all power to the circuit where practical.
4. Before applying test leads to the circuit under test, make certain selector switch is set in proper range.
5. Before using this instrument for actual testing, the unit should be checked on a known live line to make certain it is operating properly.
6. Do not connect this instrument to circuits above 1000 volts.
Models PF 1000 and PF 1050 may be used as a power factor meter or a voltmeter or an ammeter. As a power factor meter they can be used to determine the power factors (reading or lagging) of single or three phase systems, balanced or unbalanced.

HOW TO USE AS A POWER FACTOR METER - SEE PRECAUTIONS
1. Connect line cord to proper line voltage and frequency.
2. Set "AMPS-VOLTS-FF" switch to "PF".
3. Single phase. Connect red and green voltage test leads to the circuit under test. Leave other test leads in storage compartment. With the name "AMPROBE" on the current transducer facing toward the load, strike the jaw around the conductor to which the red test lead is connected. Clamp the jaw around the conductor to which the red test lead is connected. Repeat this procedure to test the other two phases. Read the % PF on the display.
4. Three phase. Three wire. Insert green test lead to the storage compartment. Connect the red test lead to the phase under test. With the name "AMPROBE" on the current transducer facing toward the "LOAD" clamp jaw around the conductor to which the red test lead is connected. Repeat this procedure to test the other two phases. Read the % PF on the display.
5. Three phase. Four wire. Insert green test lead to the storage compartment. Connect the red test lead to the phase under test. Leave the other two yellow test leads in storage compartment. With the name "AMPROBE" on the current transducer facing toward the "LOAD"

FOR FACTORY SERVICE: AMPROBE INSTRUMENT, LYNBROOK, N.Y. 11553
Part No. 281670 Rev. A
4/83