

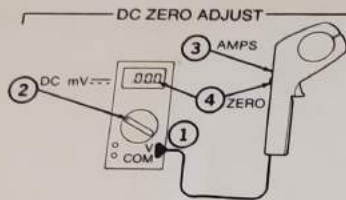
80i-kW

CURRENT/POWER PROBE

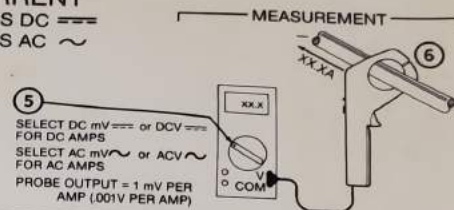
QUICK REFERENCE GUIDE

FLUKE

WARNING: TO AVOID ELECTRIC SHOCK OR EQUIPMENT DAMAGE, DO NOT USE ON BARE CONDUCTORS OR ON CIRCUITS WITH VOLTAGE EXCEEDING 660V
Δ READ INSTRUCTION MANUAL BEFORE MAKING MEASUREMENTS

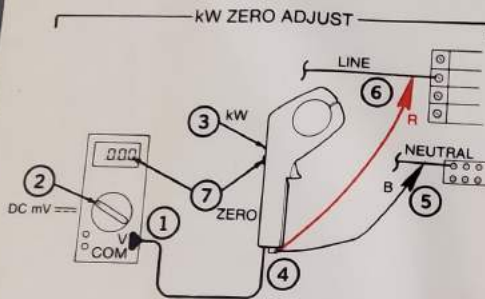


CURRENT
 AMPS DC \equiv
 AMPS AC \sim

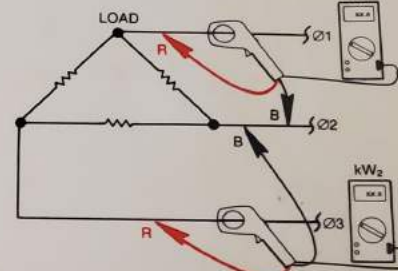


CONNECT VOLTAGE TEST LEADS BEFORE ZEROING
 ADJUST ZERO BEFORE MEASURING
 R = RED TEST LEAD
 B = BLACK TEST LEAD
 PROBE OUTPUT = 1 mV DC PER kW AC (0.01 VDC PER kW AC)

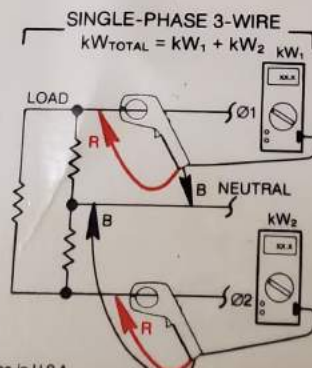
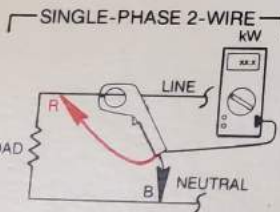
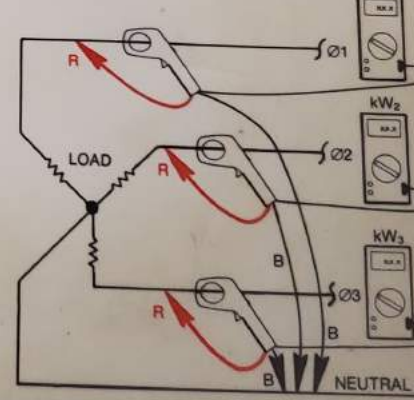
AC POWER
 kW AC \sim



THREE-PHASE 3-WIRE DELTA or Y
 $kW_{TOTAL} = kW_1 + kW_2$



THREE-PHASE 4-WIRE
 $kW_{TOTAL} = kW_1 + kW_2 + kW_3$



REV 1
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BATTERY
 REPLACEMENT



9V

POWER FACTOR = $\frac{kW}{kVA}$ kW = TOTAL POWER (SUM)
 IN ALL PHASES

$$kVA_{SINGLE\ PHASE} = \frac{V \times I}{1000}$$

$$kVA_{3-PHASE} = \frac{1.732 \times V \times I}{1000}$$

V = PHASE TO PHASE VOLTAGE (3-PHASE)

V = PHASE TO NEUTRAL VOLTAGE (SINGLE PHASE)

I = INDIVIDUAL PHASE CURRENT (BALANCED LOAD)