

# CURRENT TRANSFORMERS

## CURRENT PROBE

MODEL ACP

The ACP Series is an AC current probe using the Rogowski principle. The flexible and lightweight measuring head enables quick and easy installation in hard to reach areas. The ACP is designed for use with hand held multimeters, oscilloscopes, recorders and data loggers.

### SPECIFICATIONS

Measuring Ranges ..... 30A/300A/3000A or 60A/600A/6000A  
 Output Sensitivity ..... 100mV/10mV/1mV/A or 50mV/5mV/0.5mV(AC coupled)  
 Accuracy (45-65Hz) .....  $\pm 1\%$  of range  
 Frequency Range ..... 10Hz to 10kHz  
 Phase Error .....  $\pm 1^\circ$  (45 to 65Hz)  
 Minimum Load ..... 100K $\Omega$  for specified accuracy  
 Operating Temperature ..... -20°C to +65°C(-4°F to +149°F) Electronics  
 Storage Temperature ..... -40°C to +75°C(-40°F to +167°F) Electronics  
 Common Mode Voltage ..... Voltage between the Output and Earth must not exceed 30V  
 Power Supply ..... 2 x AA MN1500 (1.5V) LR6 batteries  
 or external power supply (+3V DC/100mA) via battery eliminator, 2.1mm connector  
 Battery Life ..... 2000 Hours Typical  
 Low Battery Indication ..... Orange LED  
 Safety ..... EN 61010-2-032:2002  
 1000V<sub>rms</sub>, CAT III, Pol. Deg 2  
 EMC Standard ..... EN 61326-2-212006  
 Enclosure ..... Flame retardant UL94-V0 rated  
 Material ..... Alcryn 2070 NC Double Insulated  
 Output Connections ..... Safety BNC female connector  
 External Power ..... Via socket on enclosure  
 Weight ..... 0.5kg (0.9 Lb.)

### Measuring Head

Probe Length ..... 610mm (24"), double insulated  
 915mm (36"), double insulated  
 1220mm (48"), double insulated  
 Probe I.D. (Closed) ..... 7.0" (24" Length)  
 10.9" (36" Length)  
 14.7" (48" Length)  
 Probe Cross Section ..... 9.9mm (0.39")  
 Connecting Cable ..... 2m (78.7") long, Probe to Integrator  
 Material ..... LATI LATENE 7H2W V0



Model ACP



Optional 3V Power Supply  
Model STA-4130



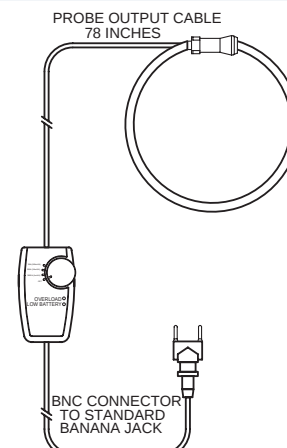
3 Phase Model Available -  
Consult Factory for Details

### ORDERING INFORMATION

| CATALOG NUMBER | RANGE        | OUTPUT | HEAD SIZE |
|----------------|--------------|--------|-----------|
| ACP3000-3/24   | 30-300-3000A | 3Vac   | 24"       |
| ACP3000-3/36   |              |        | 36"       |
| ACP3000-3/48   |              |        | 48"       |
| ACP6000-3/24   | 60-600-6000A | 3Vac   | 24"       |
| ACP6000-3/36   |              |        | 36"       |
| ACP6000-3/48   |              |        | 48"       |



### DIMENSIONS



All Dimensions In Inches

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