
3 SPECIFICATIONS

Measuring ranges	ACP 3003_3 ACP 6003_3	30A / 300A / 3000A AC 60A / 600A / 6000A AC
Output sensitivity (AC coupled)	ACP 3003_3 ACP 6003_3	100mV / 10mV / 1mV per A 50mV / 5mV / 0.5mV per A
Accuracy (45-65Hz)	$\pm 1\%$ of reading $\pm 0.1A$ $\pm 1\%$ of reading $\pm 1A$	(30/300A or 60/600A ranges) (3000A or 6000A range)
Minimum load	100k Ω for specified accuracy	
Frequency range	10Hz to 10kHz (-1dB)	
Phase (45-65Hz)	$<\pm 1^\circ$	
Position sensitivity	$\pm 2\%$ of reading	
External field	$\pm 0.2\%$ of range with cable >200mm (8") from the probe	
Noise	8mV rms in 30A and 60A ranges 2mV rms in 300A / 3000A and 600A / 6000A ranges	
Temperature coeff.	$\pm 0.1 / ^\circ C$	
Power supply	Two AA MN1500 LR6 alkaline batteries or an external power supply (+3V/100mA)	
Battery life	1000 hours typical	
External Power	Via 2.1mm (0.08") mini power connector	
Low battery	Indicated by an orange LED	
Overload	Indicated by a red LED	

Enclosure

Material	ARNITE T06-200SNF, UL94 V0
Degree of protection	IP40 (not certified by UL)
Dimensions	110 (l) x 65 (w) x 23 (d) mm
Output connection	0.5m coax cable terminated with 3 safety male BNC

Probe

Probe lengths 610mm (24 inches), double insulated
 915mm (36 inches), double insulated
 1220mm (48 inches), double insulated

Probe diameter 9.9mm (0.39 inches) nominal

Probe output cable 2m (78.7inches), probe to integrator

Material Alcryn 2070 NC, LATI LATENE 7H2W V0

Degree of Protection IP65 (not certified by UL)

General Characteristics

Operating temp. -20°C to +65°C (-4 °F to +149°F)

Storage temp. -40°C to +75°C (-40 °F to +167°F)

Operating humidity 15% to 85% (non-condensing)

Safety standards EN 61010-1:2001
 EN 61010-031:2002
 EN 61010-2-032:2002

EMC EN 61326-2-2 : 2006

1000 V_{RMS}, Category III, 600 V_{RMS}, Category IV, Pollution Degree 2
(Probe and Integrator)

30V maximum between output and earth

ROHS and WEEE compliant

Rated for continuous use