

# PRO~flex FLEXIBLE AC Current Probes 3 PHASE - ACP SERIES

## Accurate, Flexible and Lightweight

- 30/300/3000A and 60/600/6000A models
- Wide dynamic range 100mA to 6000A AC<sub>RMS</sub>
- Battery powered with external power option
- 1000 hours continuous battery life
- 1000V, CAT III, Pollution degree 2
- IP 65 (Probe head only)
- Compact lightweight design
- No magnetic hysteresis, saturation or non linearity
- Single and three phase models
- UL Approved, ROHS and WEEE Compliant

**IP 65**



### High Accuracy and Wide Dynamic Range

Advanced coupling design results in minimal effect of external magnetic fields and off-centre conductor positioning on probe accuracy.

### EN61010-2-032:2002 and EMC Conformance

Safety features provide the user with confidence when making measurements in hazardous voltage areas. Conformance to EMC standards ensures high reliability through reduced susceptibility to electromagnetic interference.

### TYPICAL APPLICATIONS

- Connection to most measuring instruments including multimeters, oscilloscopes PQ recording devices
- Electrical maintenance, repair and machine installation and start up applications
- Low and medium voltage distribution installations
- Analysis of current distribution in mains networks
- Analysis of harmonics, power measurements, measurement of peak loads in mains and in UPS.
- High current testing of switchgear and fuses
- Measurement of starting transients of electric motors

ACP RANGE\_3 PHASE\_120313\_02

#### GMC-I PROSyS Ltd.

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Registered Company Number: 5116760  
Vat Number: GB863880193

## SPECIFICATIONS

### NON-INVASIVE AC CURRENT MEASUREMENT

MODEL	ACP 3003_3	ACP 6003_3
Current Ranges	30 / 300 / 3000A	60 / 600 / 6000A
Output Sensitivity	100mV / 10mV / 1mV / A	50mV / 5mV / 0.5mV / A
Linearity	± 0.2% of reading	
Basic Accuracy	± 1% of reading ± 0.1A (30A and 60A ranges)	
	± 1% of reading ± 1A (300A/3000A and 600A/6000A ranges)	
Conductor position sensitivity	± 2% of reading	
Frequency Range	10Hz to 20kHz (-1dB)	
Phase shift (45 – 65Hz)	< 1 degrees	
Load Impedance	> 100 kOhms	
Output connection	3 x 0.5m coax terminated with safety male BNC connector	

### ENVIRONMENTAL DATA

Operating Temperature	-20°C to 65°C (-4°F to 149°F)
Temperature Coefficient	± 0.15% of reading per °C (± 0.1% of reading per °F)
Storage Temperature (without battery)	-40°C to 75°C (-40°F to 167°F)

### POWER SUPPLY

Battery type	2 x AA MN 1500 LR6 Alkaline
Battery life	1000 hours continuous
External Power Supply	3V / 100mA

### MECHANICAL DATA

Dimensions (mm)	110 (H) x 65 (W) x 23 (D)
Cable length	2m (Probe to Integrator)
Probe Lengths	610mm (24"), 915mm (36") 1220mm (48")

**GMC-I PROSYS Ltd. offer a wide range of non-invasive Probes and Clamp Meters for the measurement and analysis of Current and Voltage**

### SAFETY

EN61010-2-032:2002,  
UL 610101, 2nd Edition, 2005-07-22  
CAN/CSA-22.2 No. 61010-1, 2<sup>nd</sup> Edition 2004-07  
1000V, Measurement Category III, Pollution Degree 2.

### EMC Standard EN 61326-2-2:2006

### MAXIMUM SAFE VOLTAGES

1000V AC RMS or DC (Probe and Integrator)  
30 Volts max (Output)

All accuracies stated at 23°C ± 1°C (73.4°F ± 1.8°F)

### DEGREE OF PROTECTION

IP65 PROBE	IP40 Integrator
<b>Part No's</b>	<b>MODEL</b>
P-02.710.3	ACP 3003_3/24
P-02.713.7	ACP 3003_3/36
P-02.713.8	ACP 3003_3/48
P-02.762.1	ACP 6003_3/24
P-02.762.2	ACP 6003_3/36
P-02.762.3	ACP 6003_3/48

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