

PRO~flex FLEXIBLE AC Current Probes ACP 3000 SERIES

Accurate, Flexible and Lightweight

- 3 Selectable current ranges 30/300/3000A
- Wide dynamic range 100mA to 3000A AC_{RMS}
- Battery powered with external power option (ACP3005)
- 2000 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
- 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.

EN 61010-2-032:2002 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_D_090707_01

GMC-I PROSys Ltd.

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SPECIFICATIONS

NON-INVASIVE AC CURRENT MEASUREMENT

MODEL	ACP 3000	ACP 3005
Current Ranges	30 / 300 / 3000A	
Output Sensitivity	100mV / 10mV / 1mV / A	
Linearity	± 0.2% of reading	
Basic Accuracy	± 1% of reading ± 0.1A (30A range)	
	± 1% of reading ± 1A (300A/3000A 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	0.5m lead terminated with 4mm safety plugs	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	2000 hours continuous
External Power Supply	3V / 100mA (ACP3005 only)

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,
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 for ACP3000)
30 Volts max Output for ACP3005

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

DEGREE OF PROTECTION

IP65 PROBE	IP40 Integrator
Part No's	MODEL
P-02.710.0	ACP 3000/24
P-02.712.5	ACP 3000/36
P-02.712.6	ACP 3000/48
P-02.713.9	ACP 3005/24
P-02.714.0	ACP 3005/36
P-02.714.1	ACP 3005/48

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