

# Micro-flex ACP3000\_16

Single Phase AC Current Probe

GMC-I  PROSYS



The new Micro-flex ACP 3003\_16 is a single-phase AC current clamp utilizing the Rogowski principle. It can be used to measure currents up to 3000A from very low frequencies to 10kHz.

The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas and with large conductors.



## Electrical Characteristics

<b>Current Ranges</b> (selectable via rotary switch)	600 A/1200 A/3000A AC RMS
<b>Output Sensitivity</b> (AC coupled)	5mV/2.5mV/1.0mV/A [x200/x400/x1000]
<b>Accuracy</b> (at 25°C)	±1% of reading ± 1A
<b>Load Impedance</b>	100 kΩ minimum
<b>Linearity</b> (10% to 100% of range)	±0.2% of reading
<b>Noise</b>	300mA (600A range); 600mA (1200/3000A)
<b>Bandwidth</b> (-1dB)	20Hz to 10 kHz
<b>Phase Error</b> (45 – 65Hz)	±<1°
<b>Temperature Coefficient</b>	±0.15% of reading/°C
<b>Position Sensitivity</b>	±2.5% of reading
<b>External Field</b> (w/cable >100mm from head)	±0.25% of range
<b>Power Supply</b>	2 x AA MN 1500 LR6 Alkaline 1000 hours (42 days), low battery indicator External power supply (3V/100mA)
<b>Overload Indication</b>	Red LED ON indicates range overload
<b>Working Voltage</b>	1000V AC RMS or DC (Probe and Integrator) 30V max (Output)

## General Characteristics

<b>Probe and Cable Material</b>	Alcryn 2070 NC, Arnite TO6-200SNF
<b>Enclosure Material</b>	Megol DP1191/65
<b>Probe Conductor Diameter</b>	70mm (3") / 100mm (4")
<b>Probe Cable Diameter</b>	6mm (nominal)
<b>Cable Length</b>	2m (Probe to Integrator box)
<b>Output</b>	0.5m long lead terminated with a safety male BNC
<b>Operating Temperature Range</b>	-20 to +65°C
<b>Storage Temperature Range</b>	-40 to +75°C
<b>Operating Humidity</b>	15% to 85% (non condensing)
<b>Degree of protection</b>	IP50 Probe; IP40 Integrator Module
<b>Probe Color</b>	Yellow Green
<b>Weight</b>	280g

AUTHORIZED DISTRIBUTOR

**I<sup>2</sup>R**etc

**POWERetc Corporation**  
Santa Clara, CA 95054  
(408) 540-3199

[www.poweretc.com](http://www.poweretc.com)  
[info@poweretc.com](mailto:info@poweretc.com)

Exclusive GMC-I PROSYS Distributor of Americas

# Micro-flex ACP3000\_16

Three Phase AC Current Probe



## Safety /EMC Standards

EN 61010-1:2001  
EN 61010-031:2002  
EN 61010-2-032:2002  
UL 610101, 2nd Edition, 2005-07-22  
CAN/CSA-22.2 No. 61010-1, 2nd Edition, 2004-07  
EN 61326-2-2  
1000 VRMS, Category III, 600 VRMS, Category IV, Pollution Degree 2 (Probe and Integrator)

**Limitations** Use of the probe on uninsulated conductors is limited to 1000 V AC RMS or DC and frequencies below 1 kHz.

**Compliance** ROHS and WEEE

## Compatible Instruments

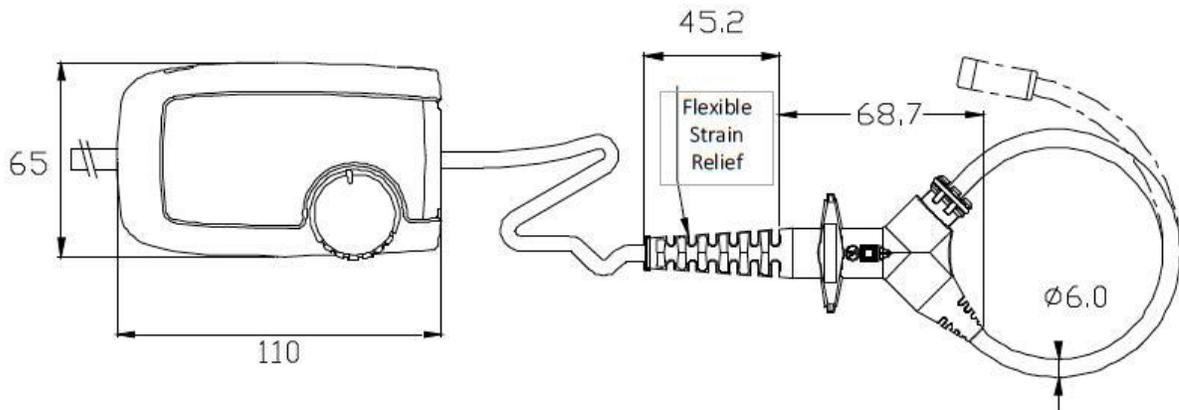
**Dranetz** HDPQ, PX5, PG4400, PV440, PP4300, PP1  
(Note: FBNC to PX5/PG4400/PV440 adapter required. *POWERetc* part number A-CPA-FBNC-PX5.)

**Fluke** 430 Series

## Ordering Information

Part No.	Model
<b>P-06.712.7</b>	<b>ACP3000_16/3</b>
<b>P-06.xxx.x</b>	<b>ACP3000_16/4</b>

## Dimensions (in mm)



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