

Micro-flex ACP3003_16

Three Phase AC Current Probe

GMC-I  PROSsYs



The new Micro-flex ACP 3003_16 is a 3-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

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

General Characteristics

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

AUTHORIZED DISTRIBUTOR

I²Retc

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

www.poweretc.com
info@poweretc.com

Exclusive GMC-I PROSsYs Distributor of Americas

Micro-flex ACP3003_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

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

Ordering Information

Part No.

P-06.712.8

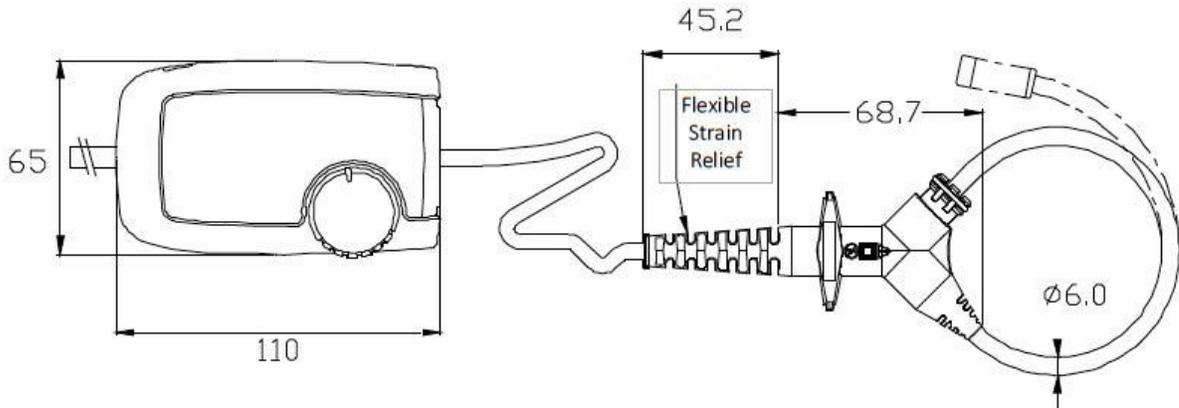
P-06.xxx.x

Model

ACP3003_16/3

ACP3003_16/4

Dimensions (in mm)



AUTHORIZED DISTRIBUTOR



POWERetc Corporation

Santa Clara, CA 95054
(408) 540-3199

www.poweretc.com
info@poweretc.com

Exclusive GMC-I PROSYS Distributor of Americas