

PRO-flex ACP 3003_3

Three Phase AC Current Probe

ACP3003_3_081003_07



The new PRO-flex ACP 3003_3 is a 3-Phase AC current probe utilizing the Rogowski principle. It can be used to measure currents up to 3000 A 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	30A / 300A / 3000A AC RMS (selectable via rotary switch)
Output Sensitivity	100mV / 10mV / 1mV per A (AC coupled)
Accuracy (at 25°C)	± 1% of reading ± 0.1A (30A range) ± 1% of reading ± 1A (300A / 3000A range)
Load Impedance	100kΩ minimum
Linearity	± 0.2% of reading (10% to 100% of range)
Noise	80mA (30A) / 400mA (300A / 3000A range)
Bandwidth	10Hz to 10kHz (-1dB)
Phase Error	± <1° (45 – 65Hz)
Temperature Coefficient	± 0.1% of reading / °C
Position Sensitivity	± 2% of reading
External Field	± 0.25% of range (with cable > 100mm from the head)
Power Supply	2 x AA MN 1500 LR6 Alkaline low battery indicator external power supply (3V / 100mA)
Battery Life	1000 hours
Overload Indication	Red LED ON indicates the range overload
Working Voltage (see Safety Standards section)	1000V AC RMS or DC (Probe and Integrator) 30V max (Output)

General Characteristics

Probe and Cable Material	Alcryn 2070 NC LATENE 7H2W V0
Probe Cable Length	610mm (24") / 915mm (36") / 1220mm (48")
Probe Cable Diameter	9.9mm (nominal)
Cable Length	2m (Probe to Integrator box)
Output	0.5m long lead terminated with 3 X 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	IP65 Probe, IP40 Integrator module
Colour	RAL 120 70 75 Lemon green

AUTHORIZED DISTRIBUTOR



POWERetc Corporation

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Safety 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

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 Power Monitors

PX5, PG4400, PV440, PP4300, PP1

Fluke Power Monitors

Fluke 430 Series

Ordering Information

Part No.

Model

P-02.710.3

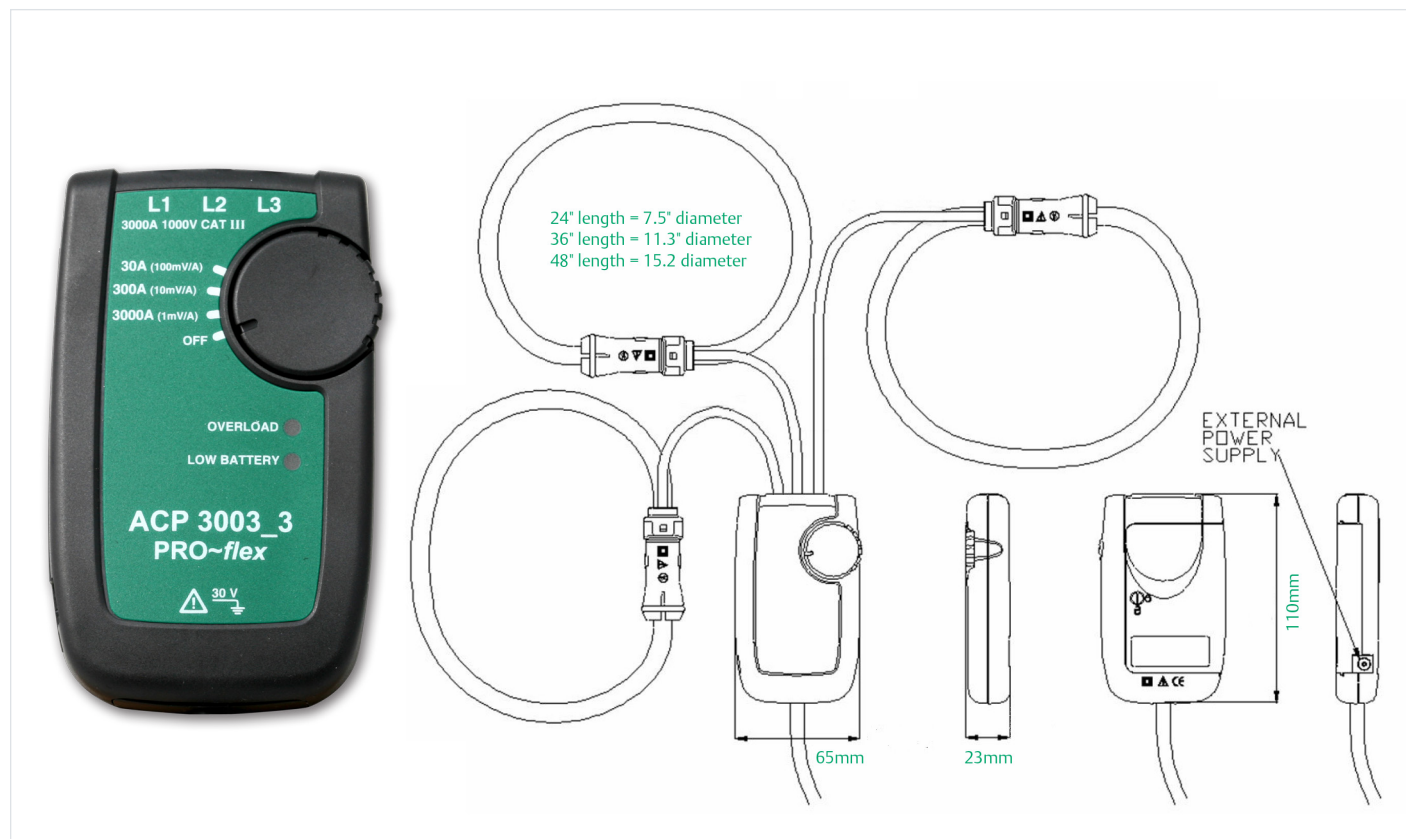
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