



AMPROBE® Model ACF-3000DM-A **AC Current Transducer**

Features

- Installs around conductors where there is limited access.
- Measures up to 3000 Amp AC
- Wide frequency bandwidth
- Use with the DM-II and the DM-II Pro
- 4 month battery life
- Low battery indicator
- Mini jack for optional standard external 3V DC power supply (ACF-3A)
- Rugged design yet lightweight and flexible

Benefits

- Designed to connect around conductor(s) without having to disconnect it(them)
- Ability to monitor a wide range of currents with extreme accuracy
- Minimal shock hazard, the transducer doesn't generate high voltages at low frequencies
- Long battery life
- Adapter for the DM-II and the DM-II Pro provided
- External jack for extended use

ACF-3000DM-A
AC Current Transducer

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Miami, Florida

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AAD-133rev.A

Model ACF-3000DM-A

TECHNICAL SPECIFICATIONS



Measuring ranges:	300A/3000A
Output sensitivity:	1mV/0.1mV/A (AC coupled)
Accuracy (at 25°C):	± 1 % of range
Frequency range:	10 Hz to 5 kHz
Phase error:	± 1° (45 to 65 Hz), ±10° (at 5 kHz)
Linearity:	± 0.2% of reading from 10% to 100% of range
Position sensitivity:	± 2% of range, cable >25mm (1") from coupling
External field:	± 1% with cable > 200mm (8") from head
Minimum load:	100kW for specified accuracy
Noise level:	1.0mV rms (0.3% of range)
Operating temperature:	-20°C to 85°C (-4°F to 185°F) Electronics
Storage temperature:	-20°C to 85°C (-4°F to 185°F) Electronics
Gain variation:	± 0.08%/ °C
Common Mode Voltage:	Voltage between the Output and Earth must not exceed 30V
Power supply:	2 x AA MN1500 (1.5V) LR6 batteries
Battery life:	4000 hours, 3000 hours typical (4 months cont.)

Low battery indication:	Red LED
External Power:	Battery eliminator, via 2.1mm connector, 3V DC Socket type A16M500
Safety:	BS EN 61010-1: 1993, 600V CAT III Pol. Deg 2
EMC:	EN61326: 1998
Enclosure:	IP5X, Flame retardant UL94 -V0 rated
Material:	Valox 357 X
Output connections:	Hypotronics connector type D01EEB306FST
Weight:	0.19 kg (0.4 lb)

Measuring Head

Cable length:	610mm (24 inches), double insulated
Cable diameter:	14.3mm (0.562 inches)
Bend radius:	38.1mm (1.5 inches) minimum
Connecting cable:	2m (78.7 inches) long, double insulated
Material:	TPE rubber, Polypropylene, UL94 -V0 rated
Operating temperature:	-20°C to +90°C (-4°F to 194°F) Head
Storage temperature:	-40°C to +105°C (-40°F to 221°F) Head
Safety:	BS EN 61010-1: 1993, 600V CAT III Pol. Deg 2
Weight:	0.18kg (0.4 lb.)

Replacement Parts

ACF-5A	Adapter for the DM-II
ACF-5A CE	Adapter for the DM-II Pro

Optional Accessories

ACF-3A	External Power Supply
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