

New Flexible AC Current Probe PRO~flex ACF 5000_3



P/N: P-01.750.0 ACF 5000_3/24
 P/N: P-01.750.1 ACF 5000_3/36
 P/N: P-01.750.2 ACF 5000_3/48

The new PRO~flex ACF 5000_3 is an AC current Probe utilising the Rogowski principle and designed for use with FLUKE 1750 and RPM 1650 series of Power Recorders. It can be used to measure currents up to 5000 Amps from very low frequencies to 20 kHz. 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).....	: 100 A / 1000 A / 5000 A AC _{RMS}
Accuracy (at 25°C)	: ± 1% of reading (45 – 65 Hz)
Linearity (10% to 100% of range)	: ± 0.2% of reading
Bandwidth (-3dB).....	: 10Hz to 20 kHz
Temperature Coefficient	: ± 0.2% of reading / °C
Position Sensitivity	: ± 2 % of reading
External Field (with cable > 100mm from the head).....	: ± 0.2% of range
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, UL94 V-0
Couplings Material.....	: Ultramid A3U Q720, UL94 V-0
Probe Cable Length (s)	: 610mm (24")/915 mm (36")/1220 mm (48")
Probe Cable Diameter	: 9.9 mm (nominal)
Cable Length (Probe to Integrator box)	: 2 m
Output	: LEMO 6 pin male PAAM06GLAC65N
Operating Temperature Range	: -20 to +80°C
Storage Temperature Range	: -40 to +90°C
Operating Humidity.....	: 15% to 85% (non condensing)
Degree of protection.....	: IP65 Probe, IP40 Integrator module
Colour.....	: RAL 120 70 75 Lemon green,

ROHS and WEEE Compliant

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Connection Details

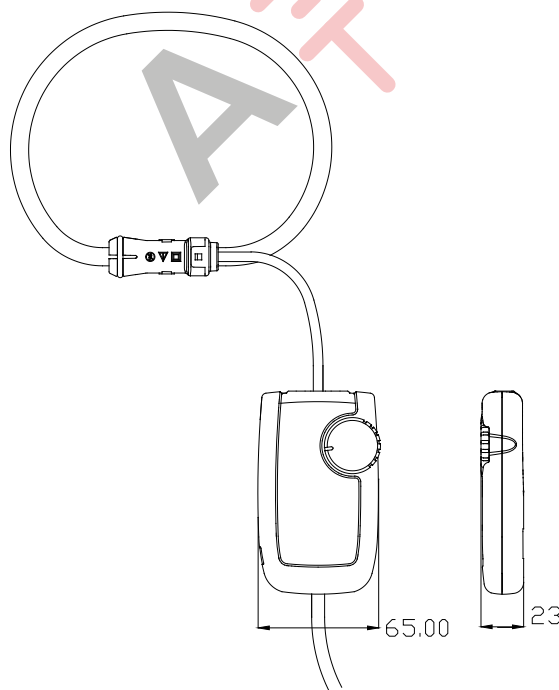
Connection	Function
Pin 1	+ Output
Pin 2	- Output
Pin 3 & 4	Linked together
Pin 5 & 6	Range Ident

Safety Standards

BS EN 61010-1:2010
BS EN 61010-2-032:2012

1000 V_{RMS}, Category III, 600 V_{RMS}, Category IV, Pollution Degree 2 (Probe and Integrator)

Use of the probe on uninsulated conductors is limited to 1000 V AC_{RMS} or DC and frequencies below 1 kHz.



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