

Flexible AC Current probe – PRO~flex Series

Accurate, Rugged, Versatile and Reliable

PRO~flex is a flexible AC current probe utilises the Rogowski principle.

After appropriate signal conditioning, it can be used with digital multimeters, recorders and other suitable equipment to measure current from very low frequencies up to 20kHz.

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



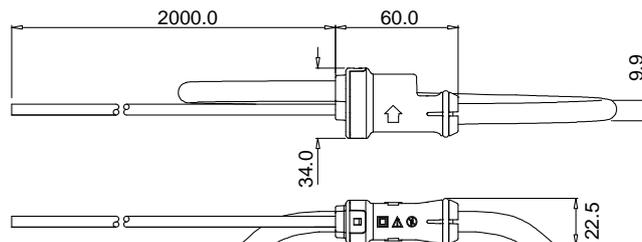
Dust and Water Resistant **IP65**

Safety Conformance

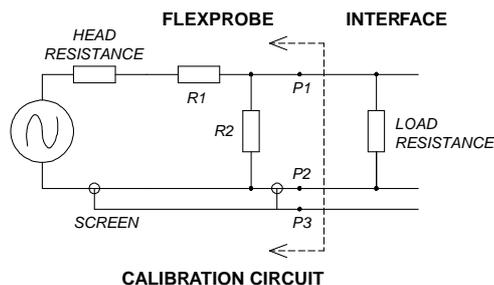
Conformance to European standards for safety ensures a safe product with high reliability.

Mechanical Data

DIMENSIONS (MM)



SCHEMATIC



CALIBRATION CIRCUIT

PROFLEX_SERIES_160802_03

SPECIFICATIONS

NON-INVASIVE AC CURRENT MEASUREMENT		
MODEL	ACF 3000	ACF/HS 3000
		
Output Sensitivity	103 mV/kA @ 50Hz	445 mV/kA @ 50Hz
Output Sensitivity Tolerance	± 7%	
Linearity	± 0.2% of reading	
Internal Resistance (18" / 24" / 36" / 48")	118 / 157 / 236 / 314Ω nominal	551 / 734 / 1100 / 1465 Ω nominal
Frequency Range	10Hz to 20kHz (-1dB)	10Hz to 5kHz (-1dB)
Phase Error	≤ 1°	
Conductor Position Sensitivity	± 2% of reading	
Conductor Diameter	130mm (5.0") / 143mm (5.7") / 194mm (7.6") / 291mm (11.4") / 388mm (15.2") / 582 mm (22.8")	
Working Voltage	1000V AC _{RMS} or DC	
Probe Cable Diameter	9.9mm nominal	
Output Cable Length	2m	

Environmental data

Operating Temperature: -20°C to 65°C (-4°F to 149°F)

Temp. Coefficient: ±0.05% of reading per °C

Storage Temperature: -40°C to 75°C (-40°F to 167°F)

All Accuracies Stated at: 23°C ± 1°C (73.4°F ± 1.8°F)

Ingress Protection: IP65
IEC 60529:2013

Safety

EN 61010-1, EN 61010-2-032
1000V RMS Measurement Category III
600V RMS Measurement Category IV
Pollution Degree 2

Part / Model Number

P-01.715.8	ACF 3000/16
P-01.714.7	ACF 3000/18
P-01.710.3	ACF 3000/24
P-01.714.9	ACF 3000/36
P-01.714.1	ACF 3000/48
P-01.715.2	ACF 3000/72
P-17.710.7	ACF/HS 3000/16
P-17.710.1	ACF/HS 3000/18
P-17.710.2	ACF/HS 3000/24
P-17.710.3	ACF/HS 3000/36
P-17.710.4	ACF/HS 3000/48
P-17.710.5	ACF/HS 3000/72

Probe length and Conductor Diameter:	
406mm (16")	Ø130mm (5.0")
450mm (18")	Ø143mm (5.7")
610mm (24")	Ø194mm (7.6")
915mm (36")	Ø291mm (11.4")
1220mm (48")	Ø388mm (15.2")
1830mm (72")	Ø582mm (22.8")

GMC-I PROSYS Ltd offers a wide range of non-invasive Probes, Clamp Meters and Transducers for the measurement and analysis of Current and Voltage.