GMC INSTRUMENTS

PROSyS

# Flexible AC Current probe – MICRO~*flex* Series

## *Accurate, Rugged, Versatile and Reliable*

The new **MICRO~*flex*** is a flexible AC current probe utilising 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 100kHz.

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

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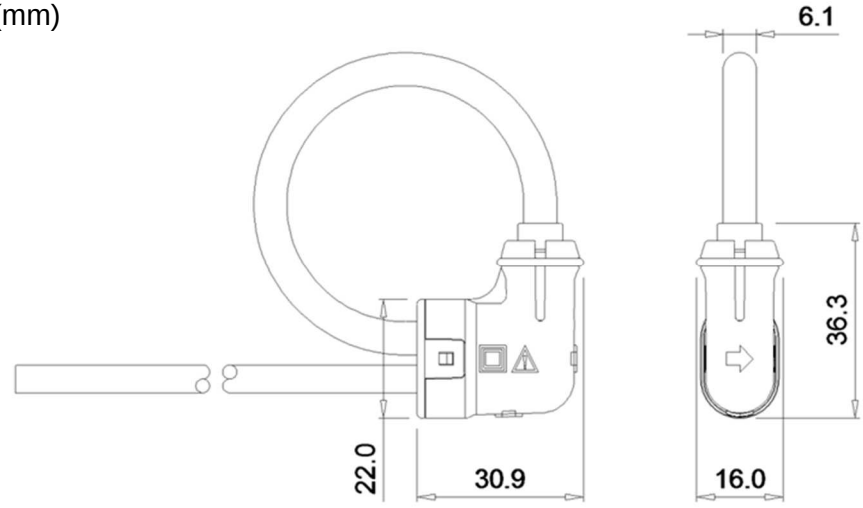
**Dust and Water Resistant IP67**

## Safety Conformance

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

## Mechanical Data

Dimensions (mm)



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Vat Number: GB863380193

## SPECIFICATIONS

| NON-INVASIVE AC CURRENT MEASUREMENT | | |
|---|---|---|
| **MODEL** | ***ACMF 3000*** | ***ACMF/HS 3000*** |
| |  |  |
| Output Sensitivity | *16.4 mV/kA @ 50Hz* | *48 mV/kA @ 50Hz* |
| Output Sensitivity Tolerance | *± 9 %* | |
| Linearity (10% to 100% of range) | *± 0.2% of reading* | |
| Internal resistance (2" / 3" / 4") | *20 / 29 / 38 Ω nominal* | *63 / 90 / 117 Ω nominal* |
| Frequency Range | *10Hz to 100kHz (-1dB)* | *10Hz to 50kHz (-1dB)* |
| Phase Error | *≤ 1°* | |
| Conductor Position Sensitivity | *± 2.5% of reading* | |
| Conductor Diameter | *50mm (2") / 70mm (3") / 100mm (4")* | |
| Working Voltage | *1000V $AC_{RMS}$ or DC* | |
| Probe Cable Diameter | *6mm* | |
| Output Cable Length | *2m* | |

## Environmental data

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

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

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

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

Ingress Protection: IP67 Dust and Water Resistant
IEC 60529:2013

## Part / Model Number

| | |
|---|---|
| P-06.711.3 | ACMF/HS 3000/2 |
| P-06.711.4 | ACMF/HS 3000/3 |
| P-06.711.5 | ACMF/HS 3000/4 |
| P-06.711.6 | ACMF 3000/2 |
| P-06.711.7 | ACMF 3000/3 |
| P-06.711.8 | ACMF 3000/4 |

## Safety

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

**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.



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