

GMC-I  PROSyS



# Non-intrusive Current Measurement

AC/DC and Flexible AC Current Probes and Clamp Meters











# RETROFIT

# RELIABLE

# FIXED INSTALLATION



Part no.	Product	Current range	max. conductor	Bandwidth	Output signal	Connector	Power supply
P-14.500.2	DRM 503/4	3x 500 A	100 mm Ø	10 kHz	0.667 mV/A	Screw terminals	+12 V
P-14.500.1	DRM 504/4	4x 500 A	100 mm Ø	10 kHz	0.66 mV/A	Screw terminals	+12 V
P-14.500.3	DRP 503/18	3x 500 A	132 mm Ø	10 kHz	0.667 mV/A	Screw terminals	+12 V
P-14.500.0	DRP 504/18	4x 500 A	132 mm Ø	10 kHz	0.667 mV/A	Screw terminals	+12 V

#### Typical Applications:

- Fixed installed and retrofit applications
- Energy Management
- Process Control
- Load Monitoring in Industrial plants

#### Key Features:

- A range of head lengths and diameters available
- True RMS, 4 to 20mA and instantaneous outputs
- Multiple ranges
- Easy to install



# AC Current Probes

The AC current probes are based on AC transformer principle. The range of mechanical designs allows measurement on either rectangular busbars or cables. Various output configurations are available as voltage (AC or DC) or current signals (1A or 5A ).

The AC current probes are suitable for non-intrusive AC current measurement from a few mA up to 3200 A. Due to the transformer principle the AC current probes can be used

for permanent current measurement without any battery or external power supply. The AC current probes can be configured with one and up to three measuring ranges.

Part no.	Product	Current range	max. conductor	Bandwidth	Output signal	Connector	Power supply
P-00.440.2	ACP 200 M3	200 A	Ø15 / 15x17	10 kHz	10 mV/A	4 mm	-
P-00.600.1	ACP 1000 SM	1000 A	Ø54 / 51x12 / 40x35	10 kHz	1 mV/A	4 mm	-
P-00.710.1	ACP 3000 H32	3000 A	Ø70 / 100x45 / 120x37	5 kHz	1 mV/A	4 mm	-



## Typical Applications:

- Power quality applications
- Monitoring and control of energy consumption of electrical machines
- Energy Management

## Key Features:

- Low phase shift
- Excellent external field rejection
- No power supply necessary





# Customised Solutions

Our key focus is to design, develop and manufacture current probes, clamp meters, handheld instruments and systems for current and voltage measurement, as well as measurement and processing of electrical parameters.

Our sales and engineering team has a very strong technical background with 30 years experience in sensing technologies, applications and products. Our key markets are Automotive, Electrical Utilities eg, Power Quality, Energy Management and Test & Measurement. We specialize in designing customised solutions for measurement of electrical parameters for OEM customers.

## Key Attributes:

- Highly Flexible, Dedicated and Responsive to Customer Needs
- Technology Driven and Applications Based
- Design of customised products with our OEM customers
- Contract based OEM Business, Private Label and Distribution Sales
- Core technologies are Hall Effect, Fluxgate, Rogowski, Magneto Resistive – GMR and AMR

## About us:

- GMC-I PROSyS Ltd., located in Northwest England, is a fully owned subsidiary of Metrawatt International GmbH.



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