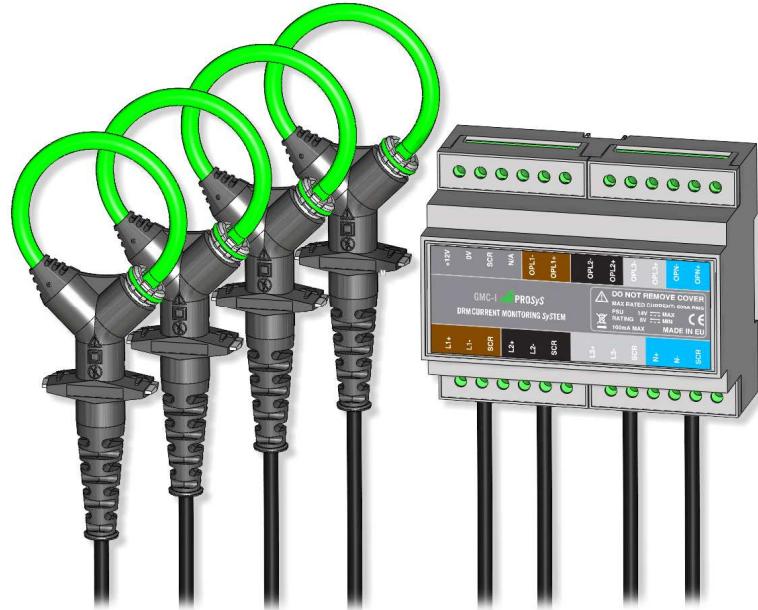


New 4 Phase MICRO~flex AC Current Probe Model DRM 504/4

The new DRM 504/4 is a 4 Phase MICRO~flex AC current Probe utilising the Rogowski principle, with 4 channel integrator housed in DIN Rail Mounted Enclosure. The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas and with large conductors.



Electrical Characteristics

Current Range.....	: 500A AC _{RMS}
Output Sensitivity (AC coupled).....	: 0.666mV/A (0.333V @ 500A)
Accuracy (45 - 65Hz).....	: $\pm 1\%$ of reading $\pm 1\text{A}$
Load Impedance.....	: 100k Ω minimum
Linearity (10% to 100% of range)	: $\pm 0.2\%$ of reading
Bandwidth (-1dB).....	: 10Hz to 10kHz
Phase Error (45 – 65Hz).....	: $\pm <1^\circ$
Temperature Coefficient	: $\pm 0.1\%$ of reading / °C
Position Sensitivity	: $\pm 2\%$ of reading
External Field (with cable > 100mm from the head).....	: $\pm 0.25\%$ of range
Power Supply	: External power supply (12V / 100mA)
Working Voltage (see Safety Standards section).....	: 1000V AC _{RMS} or DC (Probe) : 30V max (Output)

General Characteristics

Probe Material	: Alcryn 2070 NC LATENE 7H2W V0
Probe Cable Length / Conductor Diameter.....	: 315mm (12") /100mm (4")
Cable Diameter	: 6mm (nominal)
Cable Length (Probe to Integrator box)	: 5m
Operating Temperature Range.....	: -20 to +70°C
Storage Temperature Range	: -40 to +75°C
Operating Humidity.....	: 15% to 85% (non condensing)
Degree of protection	: IP50 Probe
Colour	: RAL 120 70 75 Lemon green

ROHS and WEEE Compliant

DRM504_120229_01

GMC-I PROSyS Ltd.

Allied Business Centre | 1 Potter Place | Skelmersdale | Lancashire | WN8 9PH | United Kingdom

Telephone: +44 (0) 1695 567280 | Fax: +44 (0) 1695 567299

www.i-prosys.com | sales@i-prosys.com

Registered Company 5116760
Vat Number GB863880193

Safety Standards

EN 61010-1:2001

EN 61010-031:2002

EN 61010-2-032:2002

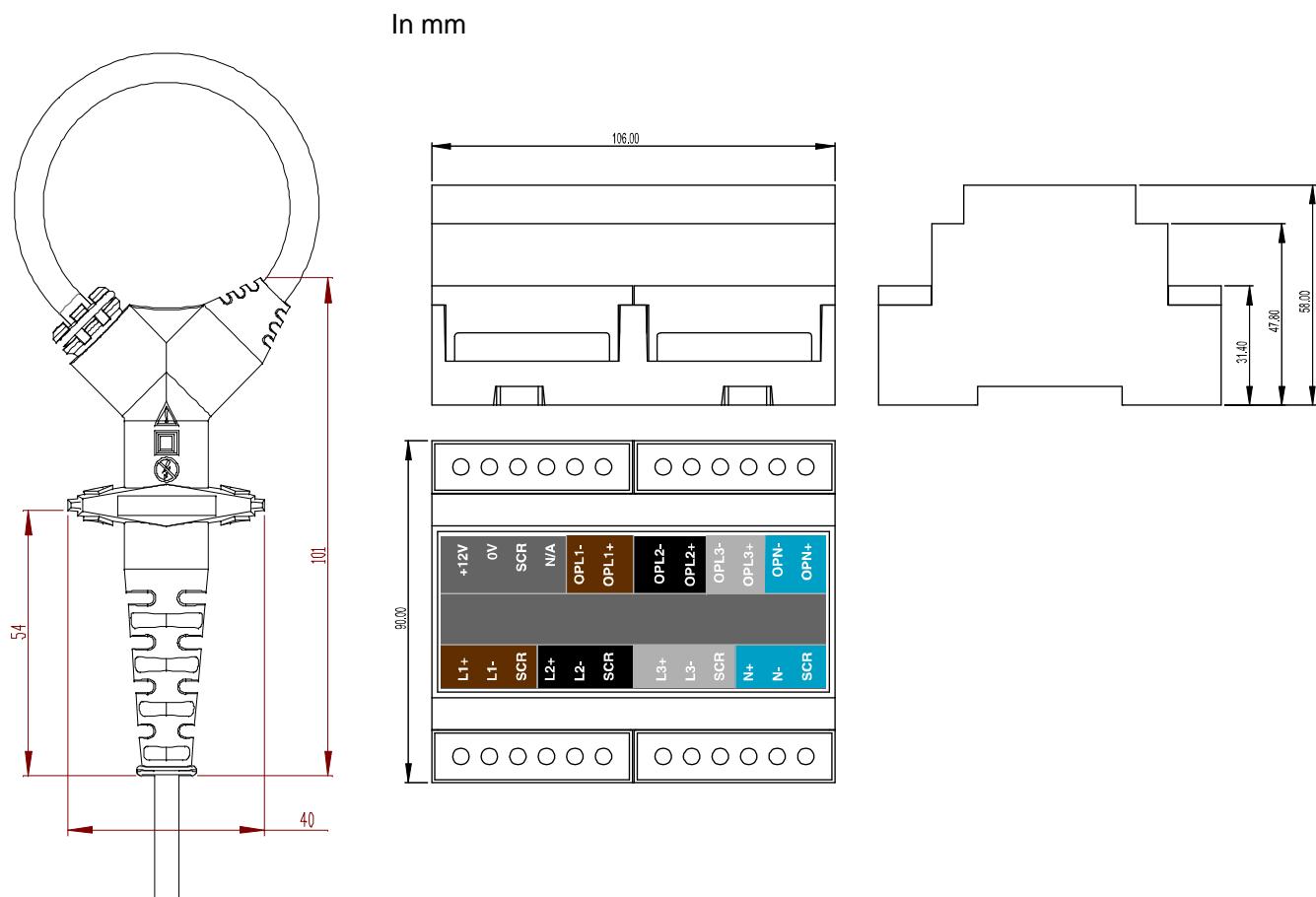
1000 V_{RMS}, Category III, 600 V_{RMS}, Category IV, Pollution Degree 2 (Probe)

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

EMC Standards

EN 61326-2-2:2006

Dimensions



DRM504_120229_01