

WR5000 Rogowski

High Frequency Current Transducer

AC sensing Rogowski current transducer designed for use with the PPA range Precision Power Analyzer, enabling high frequency high accuracy current measurement.



ELECTRICAL DATA

Range 1	: 500A AC (2 Turns) 1000A (1 Turn)
Range 2	: 2.5kA AC (2 Turns) 5kA (1 Turn)
Compensated nominal accuracy*	: $\pm 0.1\%$
Bandwidth	: 1MHz
Continuous over range ability	: 20%
Over Current withstand	: 1000%
Rogowski	: Yes
Measuring range	: 1A to 5kA
Frequency range	: From 1Hz up to 1MHz (-3dB @ 900kHz)
Output signal	: 1A = 2mV/0.4mV
Working voltage	: 2kV
Peak di/dt	: 500A/ μ s
Temperature range	: -20°C to + 70°C
“Opening” cable	: Circumference 600mm (1 Turn)
Integrator Box Dimensions (mm)	: 28 x 65 x 90 mm
Coil to Integrator cable length	: 2m
Output and power connections	: 1 x BNC per Phase
Colour	: Grey
Power supply	: N4L PPA 15-way integrated D-Type Port
Output Impedance	: 50 Ω
Phase Accuracy Information:	
Phase Shift at 10Hz	: + 2.0deg
Phase Shift at 50Hz	: + 0.5deg
Phase Shift at 1kHz	: - 0.5deg
Phase Shift at 10kHz	: - 2.0deg



*Accuracy without compensation/system calibration 0.5%