

## WR5000 Rogowski

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*	: $\pm 0.05\%$
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/ $\mu$ 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
Input Impedance	: 1M $\Omega$
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%