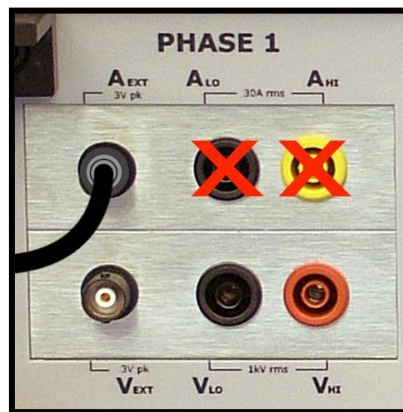


# WR5000/WR10000 Rogowski

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

## WARNING

Connecting the Rogowski coil BNC to external inputs with direct inputs also connected could cause irreparable damage to Rogowski coil and Power Analyzer main CPU board.



| Range Range                     | <b>WR5000</b>                           | <b>WR10000</b>                          |
|---------------------------------|---|---|
| <b>ELECTRICAL DATA</b>          |   |   |
| Range 1                         | : 500A AC (2 Turns) 1000A (1 Turn)      | : 1000A AC (2 Turns) 2000A (1 Turn)     |
| Range 2                         | : 2.5kA AC (2 Turns) 5kA (1 Turn)       | : 5kA AC (2 Turns) 10kA (1 Turn)        |
| Compensated nominal accuracy*   | : ±0.1%                                 | : ±0.1%                                 |
| Bandwidth                       | : 1MHz                                  | : 1MHz                                  |
| Continuous over range ability   | : 20%                                   | : 20%                                   |
| Over Current withstand          | : 1000%                                 | : 1000%                                 |
| Rogowski                        | : Yes                                   | : Yes                                   |
| Measuring range                 | : 1A to 5kA                             | : 1A to 10kA                            |
| Frequency range                 | : From 1Hz up to 1MHz (-3dB @ 900kHz)   | : From 1Hz up to 1MHz (-3dB @ 900kHz)   |
| Output signal                   | : 1A = 2mV/0.4mV                        | : 1A = 1mV/0.2mV                        |
| Working voltage                 | : 2kV                                   | : 2kV                                   |
| Peak di/dt                      | : 500A/μs                               | : 500A/μs                               |
| Temperature range               | : -20°C to + 70°C                       | : -20°C to + 70°C                       |
| “Opening” cable                 | : Circumference 600mm (1 Turn)          | : Circumference 600mm (1 Turn)          |
| Integrator Box Dimensions (mm)  | : 28 x 65 x 90 mm                       | : 28 x 65 x 90 mm                       |
| Coil to Integrator cable length | : 2m                                    | : 2m                                    |
| Output and power connections    | : 1 x BNC per Phase                     | : 1 x BNC per Phase                     |
| Colour                          | : Grey                                  | : Grey                                  |
| Power supply                    | : N4L PPA 15 way integrated D-Type Port | : N4L PPA 15 way integrated D-Type Port |
| Input Impedance                 | : 1MΩ                                   | : 1MΩ                                   |

\*Accuracy without compensation/system calibration 0.5%