AC Current Sensing Solutions – Smart Grid

Product	 **ART series Rogowski coil**	 **ARU series (coming soon) Rogowski coil**	 **AI series (coming soon) Integrator for Rogowski**	 **ATO series Low Power CT**
Current range (A)	1 A – 300 000 A[1]	1 A – 300 000 A[1]	100 A – 5 000 A	5 A – 125 A
Accuracy/Linearity /Positioning Error	Class 0.5 (IEC 61869-10) Best positioning error	Class 0.5 (IEC 61869-10) Best positioning error	Linearity ≤ 0.1 % Phase compensation @ 50/60 Hz Automatic detection	Class 1 (IEC 61869-10)
Shape/Design	Flexible split-core	Ruggedized outdoor Flexible split-core Tie shape	Solid case	Solid split-core
I_{pr} (A)	1 000 A	1 000 A	Non applicable	5, 10, 15, 16, 20, 30, 32, 50, 60, 63, 75, 100, 125
Output signal	22.5 mV @ I_{pr} and 50 Hz 27 mV @ I_{pr} and 60Hz	100 mV @ I_{pr} and 50 Hz 120 mV @ I_{pr} and 60Hz	True RMS voltage and current: 0-5 V, 0-10 V, 0-20 mA, 4-20 mA Instantaneous output in AC: 225 mV, 333 mV, 1 A	225 mV, 333 mV @ I_{pr}, 50 Hz[2] 4-20 mA @ I_{pr} , 50Hz[2] Alternatives on request

1 Current range: The Rogowski coil can measure any primary current as there is no saturation effect. The current measurement range is unlimited
2 Value given at 50 Hz but also available at 60 Hz