

Accuenergy Rogowski Integrator Kit



PRODUCT DESCRIPTION

The Accuenergy Rogowski Integration Kits provide users with an easy-to-install, plug-n-play solutions to enable any power meters or equipment the power to measure flow in different configurations. Rogowski Integration Kits are high-specification flexible current transformers that are ideal for use when space is limited. The flexible form factor of a Rogowski Coil means they easily fit into tight panels and come in a range of sizes to suit most installations.

PRODUCT DETAILS



Available in 5A and mV Output Integrator Kits



Configurable CT ratios (500A, 1kA, 2.5kA, 5kA, 10kA, 25kA, 50kA)



Flexible rope-like current sensor

APPLICATIONS



Facilities Management



Power & Energy Management



Solar & Battery Management



Fuel & Liquid Management

BENEFITS

- Flexible rope-like current sensor, designed to easily fit into panels or busbars where space is limited
- Current sensing range from 2.5A to 50,000A to fill all systems
- Field-configurable CT ratios: 500A, 1kA, 2.5kA, 10kA, 25kA, 50kA
- Individual CT ratios can be configured for each channel Works in any single phase application with different current ratings
- Works in both 50Hz and 60Hz systems



Accuenergy Rogowski Integrator Kit - Technical Details

5A RIK Details

CURRENT RANGE SETTINGS

Primary Input (ARMS)	Sensing Range (A)	Output	CT Ratio
500	2.5 to 600	5A @500A	500:5
1000	5 to 1200	5A @1000A	1000:5
2500	12.5 to 3000	5A @2500A	2500:5
5000	25 to 6000	5A @5000A	5000:5
10000	50 to 12000	5A @10000A	10000:5
25000	125 to 30000	5A @25000A	25000:5
50000	250 to 60000	5A @50000A	50000:5

SPECIFICATIONS

	Current Measurement Range	2.5A - 60000A
	Output Current	0 - 6A RMS (0 - 5ARMS Nominal)
	Sensing Range	500A, 1000A, 2500A, 5000A, 10000A, 25000A and 50000A (user selectable)
	Maximum Burden	1.8VA per channel
Metering	Maximum Output Impedance	50m
	Measurement Channels	3 (three-phase or single-phase)
	Frequency	45Hz to 65Hz
	Accuracy	±1% Full Scale Error
	Channel Cross Talk	< -60dB
Power Requirements	Supply Voltage	24V _{DC} ±5%
	Supply Current	0.9A _{DC} @ 24V _{DC}

333mV RIK Details

CURRENT RANGE SETTINGS

Primary Input (ARMS)	Sensing Range (A)	Output	CT Ratio
500	2.5 to 600	4-20mA or 0-20mA @500A	500:333
1000	5 to 1200	4-20mA or 0-20mA @1000A	1000:333
2500	12.5 to 3000	4-20mA or 0-20mA @2500A	2500:333
5000	25 to 6000	4-20mA or 0-20mA @5000A	5000:333
10000	50 to 12000	4-20mA or 0-20mA @10000A	10000:333
25000	125 to 30000	4-20mA or 0-20mA @25000A	25000:333
50000	250 to 60000	4-20mA or 0-20mA @50000A	50000:333

SPECIFICATIONS

	Current Measurement Range	2.5A - 60000A
	Output Current	0-333mVac
	Sensing Range	500A, 1000A, 2500A, 5000A, 10000A, 25000A and 50000A (Field Configurable)
Metering	Measurement Channels	3 or 1 (three-phase or single-phase)
	Frequency	45Hz to 65Hz
	Accuracy	±1% Full Scale Error
	Channel Cross Talk	< -60dB
	Power Requirements	Supply Voltage
Supply Current		40mA _{DC} @ 24V _{DC}