

# Rogowski Coil with Integrator

Ideal for temporary installations or measuring one phase

## Key Features

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- Two output options:
  - 4-20mA or
  - Modbus
- Three rated options
  - 500 Amps or
  - 1,000 Amps or
  - 3,000 Amp
- Flexible coil for easy install
- Power Supply: 24 vDC
- Measure: Amps (A)
- High linearity
- Wide dynamic range
- Low power consumption
- Non-intrusive and draw no power from the main circuit



## About

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This flexible transducer is particularly suitable for current measurements in combination with portable devices or where simplified power consumption is required. The large flexible coil makes it an excellent solution where a traditional current clamp is too difficult to fit. The coil is shielded against the influence of external magnetic fields and is suitable for high power load analysis, impulsive current monitoring and DC ripple measurements.

The inline integrator amplifies and converts the coil's output to a 4-20mA or Modbus standard signal for simple connection to your PLC or display.

## Applications

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- Manufacturing and industrial use
- Sub-metering individual equipment or sub loads
- Temporary or permanent installation
- Measure single phase (amps)



More Info

# Specifications

Coil



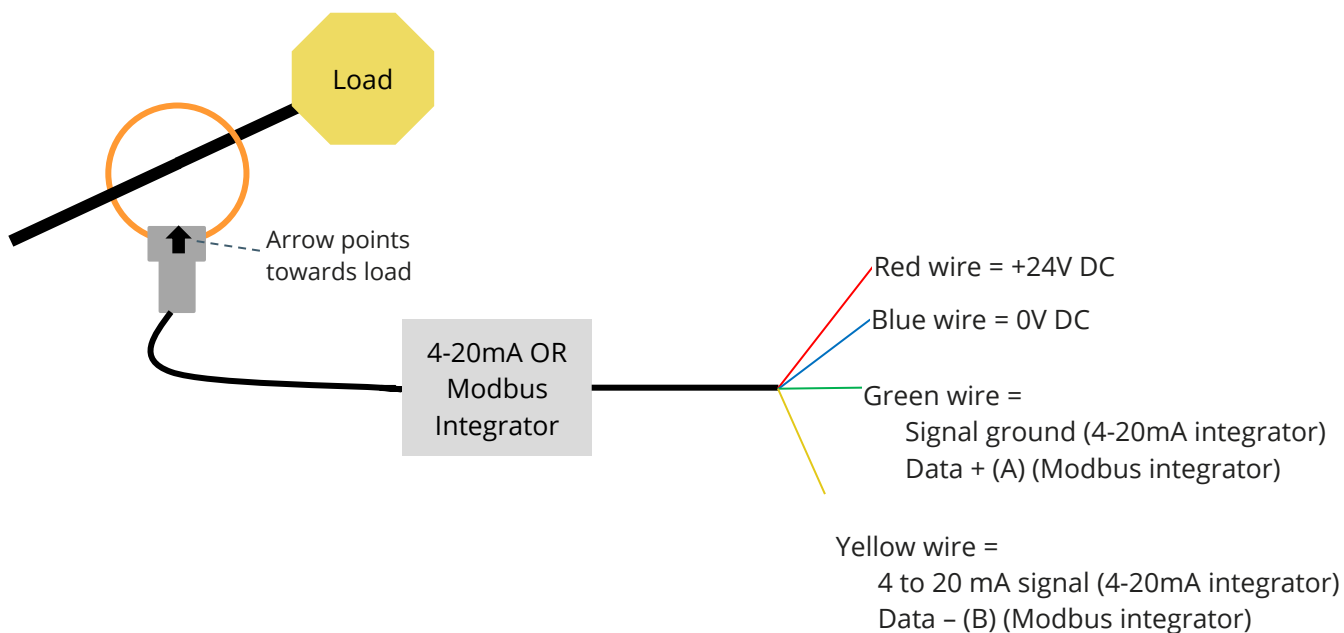
Rated Amps:	500 Amps or 1,000 Amps or 3,000 Amps
Coil Length	
• 500 Amps	200mm   7.87"
• 1000 Amps	350mm   13.78"
• 3000 Amps	510mm   20.08"
Window Size	
• 500 Amps	50mm   1.97"
• 1000 Amps	100mm   3.94"
• 3000 Amps	150mm   5.91"
Lead Length	5 meters
Ratio	85mV / kA@50Hz / 100mV / kA@50Hz
Accuracy	<0.5% (central position, 25°C)
Maximum Current Measurable	100kA
Coil Resistance	from 100 to 250 Ω
Position Error	±1% maximum
Phase error	≤0.5°
Ambient Temperature	-20 to +70°C ( -4 to +158°F)
Materials	Coil & cable: Thermoplastic rubber, flame retardant UL 94 V-0 rated

Integrator



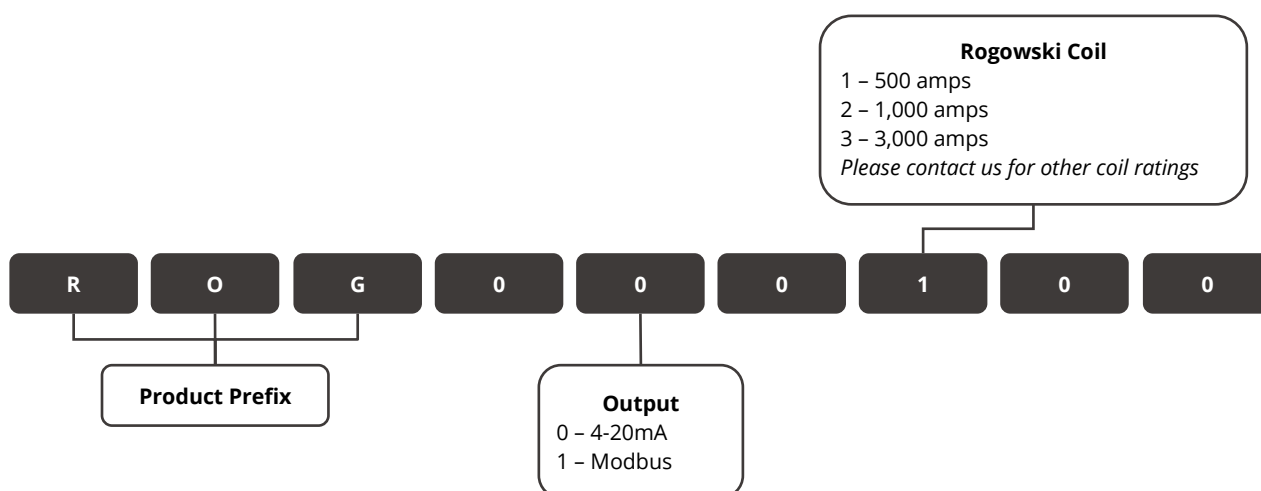
Output	Modbus RTU (RS485) Or 4-20mA
Power Supply	24vDC (0.5W or above)
Amplitude Accuracy	25mA DC
Linearity	
• Modbus	±0.2% (10% to 100% F.S.)
• 4-20mA	±0.2% (1% to 200% of range)
Bandwidth	
• Modbus	30Hz to 5kHz
• 4-20mA	30Hz to 1kHz
Temperature Drift	
• Modbus	50ppm/°C
• 4-20mA	200ppm/°C
Phase Error	≤0.5°

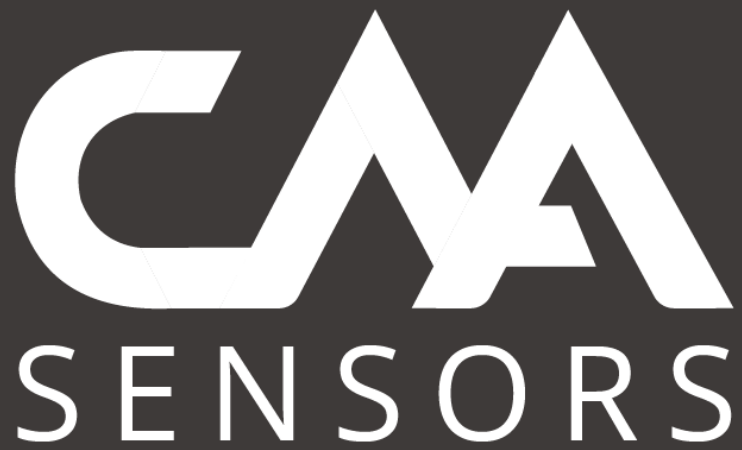
## Wiring



## How to Order

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