



TIANJIN GREWIN TECHNOLOGY CO.,LTD.

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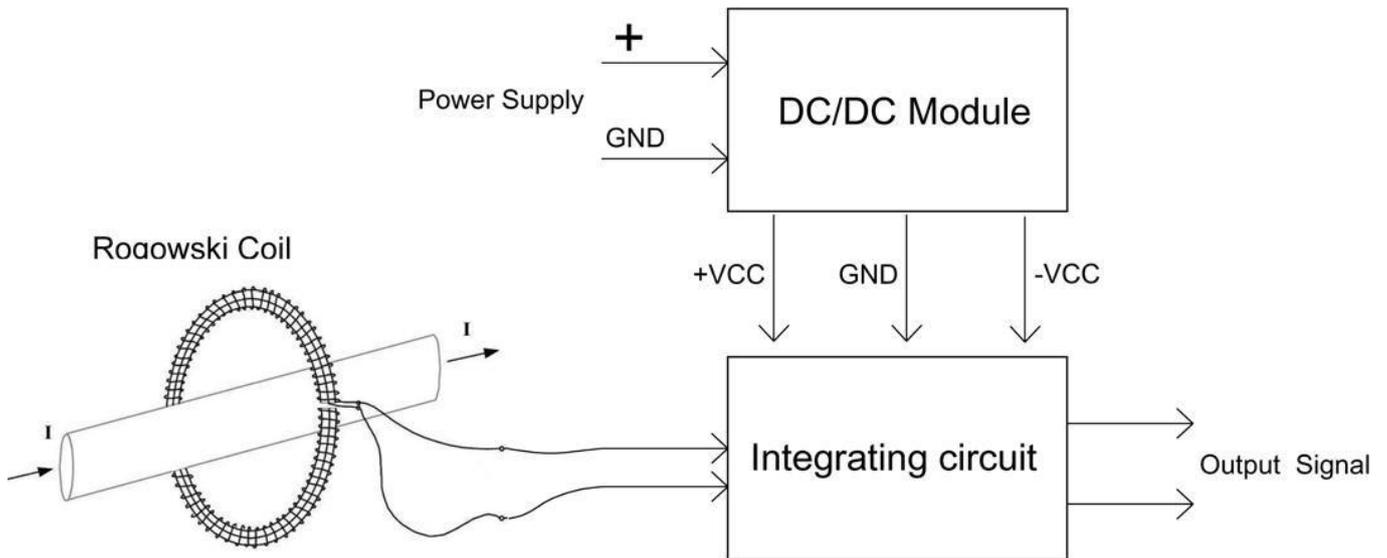
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Customer Part No.	300A	Date Of Issue :	
T.H. Part No.	GW333AC080-301	T.H. Sample No.	GW030A

Summary :

Rogowski Coil, it has the advantages of high bandwidth, high precision (typically 1%) characteristics. The frequency can be from several Hz to tens of MHz, current ranges from mA level to KA level, which solves the problem of current test. The main features include: AC measuring; easy to measure with thin, flexible, clip-around; Non-intrusive-loading the circuit under testing by only a few pH; Can be customized according to customer requirements, to meet the testing requirements of special occasions.

Schematic Block Diagram :





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Parameter (@f_p=50Hz, TA=25°C, unless otherwise noted) :

Part Name	GW333AC055-XXX	GW333AC080-XXX	GW333AC105-XXX	GW333AC180-XXX
Current Range	From 200A to 3000A AC			
Rated Current(A)	200, 250, 500, 1000, 1200, etc.	250, 500, 1000, 1500, etc.	500, 1000, 1200, 1500, 2000, etc.	1000, 1200, 1500, 2000, 3000, etc.
Rated Output	333mV AC			
Frequency	50/60Hz			
Accuracy	±1% @5% to 120% of Rated Current			
Linearity Error	±0.2% @5% to 120% of Rated Current			
Conductor Position Err. (see Note2)	±1%			
Influence of External Field	±2%			
Phase Shift (see Note3)	<1° at Rated Current (@50/60Hz)			
Static State Output	Max 1.5mV AC (Typ. 0.25mV)			
Load	≥100kΩ			
Operating Temp. (Flexible Probe)	-20°C to 70°C			
Operating Temp. (Integrator)	-20°C to 70°C			
Power Supply	12V DC, 30mA Maximum			
Operating Status Indicator	Green Light			
Coil Circumference	197	300	378	576
Cross-section Φ	7mm			
Output Interface	Pluggable Terminal			
Cable Length	<input type="checkbox"/> 500mm , or <input type="checkbox"/> Customized _____(See Mechanical Dimensions)			
Insulation Category (Flexible Probe)	AC peak 6KV 1 min			
Approx. Weight	206.7g	226.5g	236.6g	247.5g

Note1: To prevent any damage to the Flexible Probe, please pull on the coil less than 2.5kgs.

Note2: Conductor Position Err. @ with cable > 15mm between the clip with mechanism.

Note3: The current waveform being measured is Sine Wave.

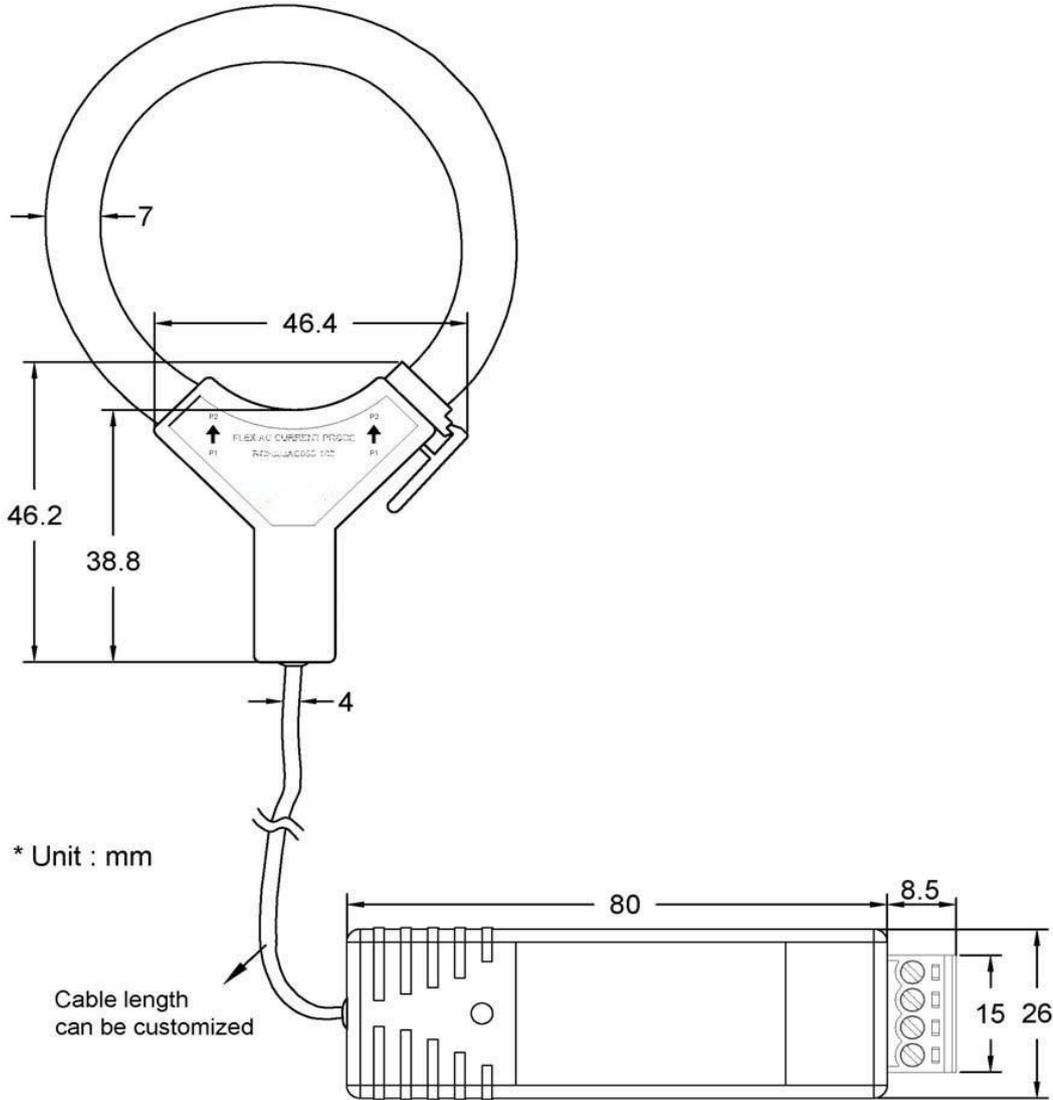
Note4: Humidity, 80% RH or less, no condensation.



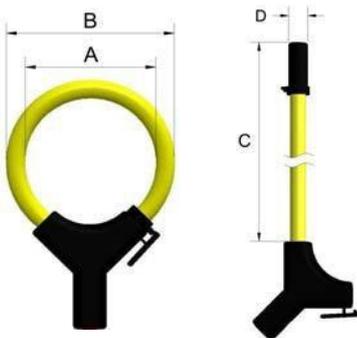
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Mechanical Dimensions (Unit : mm) :



Flexible Probe



Part Name	A	B	C	D
GW333AC055-XXX	55	68	197	8.8
GW333AC080-XXX	80	93	300	8.8
GW333AC105-XXX	105	118	378	8.8
GW333AC180-XXX	180	193	576	8.8



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Marking:



GW333AC080-301	OUT-
Current Transducer	OUT+
Power Supply: 12V DC	VCC-
Primary current: 300A @50/60Hz	VCC+
Output: 333mV AC	
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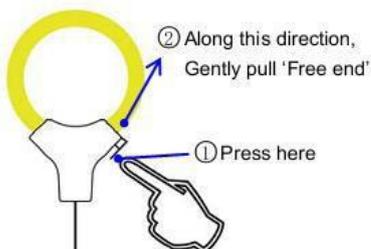
Conductor Position :



Part Name	GW333AC055-XXX, GW333AC080-XXX, GW333AC105-XXX, GW333AC180-XXX,
Conductor Position	Typical Err.
● Adjacent to the inside coil edge	< 1%
● Adjacent to the clip together mechanism	< 2%
● Central in the coil loop	< 0.2%

Using Instructions :

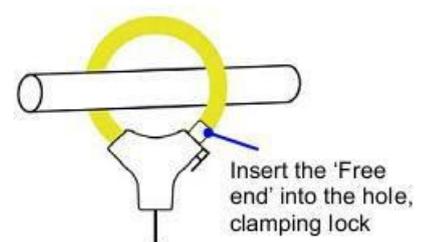
1 step



2 step



3 step





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Connection :

