





17719D  
17719E  
17719F

Clamp-On Current Transformer's are designed for fast and easy installation. These Clamp-On Current Transformers use Permalloy Magnetic Core or Silicon Amorphous Core, with characteristics of small size, high precision, good stability and strong anti-interference ability. These sensor's give a standard AC Current output which is suitable to conveniently measure on Single Phase / Three Phase Circuits with good stability and high anti-interference ability. It is ideal for power and energy measurement with high precision and small phase angle error in applications related to electric power, communication, monitoring and control. It can measure a variety of electric parameters without removing cables. The Standard length of Output Leads is 2 Meter. However Output and Leads Cable can be customized for bulk requirements.

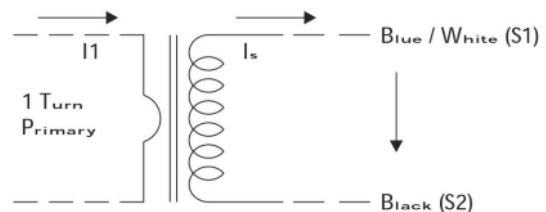
#### Features

- Clamp-On Design, Fastening, Safe, Easy to Install, Portable.
- Wide Inner Window, Allowing Clamping of Big Cables or Bus-Bars.

#### Applications

- Current Measurement, Monitoring and Protection for Electrical Wiring and Equipment.
- Current and Power Measurement for Electric Motors, Lighting, Air Compressor, Heating and Ventilation System, Air-Condition Equipment and Automation-Control System.
- Current, Power and Energy Monitoring Device.
- Relay Protection Device.

#### Circuit Connection Diagram



#### Electrical Specifications

Frequency	50 - 400Hz
Rated Input	As Below
Measuring Range	5% $I_n$ - 130% $I_n$
Rated Output	0 - 5A AC (Standard) 0 - 1A AC or 0-10V AC (Optional)
Ratio	$\leq \pm 0.1\%$
Phase Angle	$\leq \pm 10\text{min}$
Dielectric Strength	3.0KV / 1mA / 1min
Insulation Resistance	DC500V / 100MV min

#### Mechanical Specifications

Case	ABS / UL 94 - V <sub>0</sub>
Bobbin	PBT
Core	Silicon Steel / Permalloy
Internal Structure	Screw
Construction	Screw
Operating Temp.	-25°C ~ +75°C
Operating Humidity	$\leq 85\%$
Output Connection	UL1015 22AWG Wire (Twisted Wire) 2m

Model	Rated Input (A AC)	Rated Output	Accuracy	Dimensions (mm) (ID - L - W - H)
17719D	0 - 100A	5A AC (Standard) 1A AC or 10V AC (Optional)	1.0	8.0 - 135.0 - 42.0 - 20.0
17719E	0 - 500A			
17719F	0 - 1000A			

Note: Specifications are subject to change.

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17719H



Flexible Current Transformer based on the Rogowski principle. It is suitable to conveniently measure Single / Three Phase AC and Pulsed DC Currents. After approximate signal conditioning, it can be used with Digital Multimeters, Recorders and other suitable equipment to measure current from very low frequencies up to 1MHz.

The probes comprises of a flexible air-cored sensor which can be opened and installed around a primary conductor without interrupting the circuit. The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas and over large conductors. Inner Diameter / Window Size and leads can be customized.

**Specification**

Typical Voltage Output VoRMS (Sinusoidal Current)	$(2.183 \times 10^6) \times I_{RMS} \times$ Frequency	Bandwidth	5Hz ~ 1MHz
VoRMS ( at 1000ARMS, 50 Hz)	100mV AC	Accuracy	$\pm 0.2\%$ (Most accurate position, 25°C)
Rated Current (RMS)	3000A	Phase Shift	90 $\pm 0.2$ degrees
Inner Diameter / Window Size	127mm (5")	Temperature Sensitivity	0.08% per °C
Coil Diameter	9 mm	Position Sensitivity	$\pm 0.5\%$
Internal Resistance per Probe	120Ω	Working Voltage	1000V AC RMS
Operating Temperature Range	-10°C to + 60°C	Colour	Red, Yellow, Blue and Black
Storage Temperature Range	-20°C to + 70°C		

17719G



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**Specification**

Model	Window size/ ID (mm)	Primary Current (A AC)	Secondary Output (A AC)	Accuracy
17719G	60	0 ~ 2000A	5A, 2A, 1A, 10mA, 20mA, 50mA, 80mA, 100mA, 200mA	0.2,0.5,1.0

Note: Specifications are subject to change.

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