

ACCUEVERGY

AcuCT A Series

Revenue Grade Split-Core Current Transformer



D A T A S H E E T

AcuCT A Series

AcuCT-050A

Revenue Grade Split-Core
Current Transformer Datasheet



The AcuCT-050A is a premium, revenue grade split-core current transformer designed for high accuracy energy measurements and power monitoring applications. Multiple output options and class 0.5S accuracy, depending on the model, makes it ideal for metering and billing verification. The user-friendly press-open design with a durable, compact form factor enables fast installation. Optional zinc-plated mounting accessory provides stable connection and corrosion resistance for safety and quality in challenging applications.

Features

- Revenue grade accuracy compliant with IEC 61869-2 Class 0.5S from 1% - 120% of rated current.
- Multiple output options including 80mA, 100mA, 250mV, and 333mV.
- Wide frequency for reliable operation from 50Hz to 400Hz.
- Press-open split-core design enables quick and simple installation.



Specifications

RATED CURRENT	20A, 30A, 50A, 60A, 80A, 100A, 150A
Current Range	1% - 120%; 5% - 120% of Rated Current
Output	80mA, 100mA, 250mV, 333mV
Accuracy	0.2% @ 20A - 30A @ 250mV and 333mV 0.5% @ 20A - 30A @ 80mA and 100mA IEC 61869-2 Class 0.5S @ 50A - 150A

MECHANICAL/ENVIRONMENTAL

Form Factor	Press Open Split-Core CT
Window Size	Ø 13.0 mm (0.51")
Exterior Dimensions	83 mm x 83 mm x 45 mm (3.27" x 3.27" x 1.77")
Case Material	UL 94V-0 Rated Flame Retardant
Lead Wires	2.5 m (8 ft), Twisted Pair, 16 / 18 AWG
Operating Temperature	-25°C to 70°C / -13°F to 158°F
Storage Temperature	-40°C to 80°C / -40°F to 176°F
Operating Humidity	Non-Condensing, 5% to 95% RH
Installation Conditions	Indoor Use

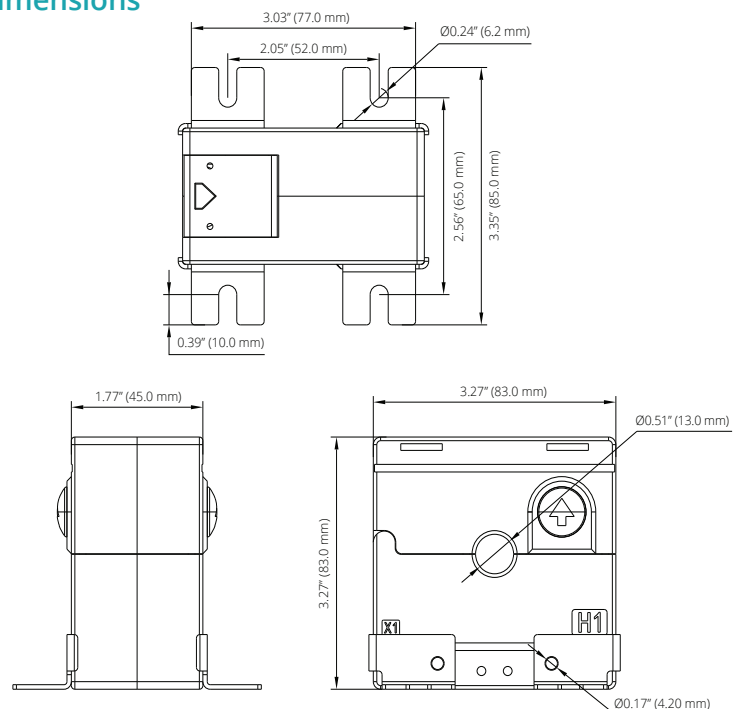
ELECTRICAL

Wire Polarity	White=Positive, Black=Negative
Phase Orientation	H1 Points Towards Source
Frequency Range	50 Hz - 400 Hz
Burden @ 80mA and 100mA Output	2.5 Ω - 10 Ω @ mA Output
Insulation Resistance	500 V / 100 MΩ min

SAFETY/COMPLIANCE

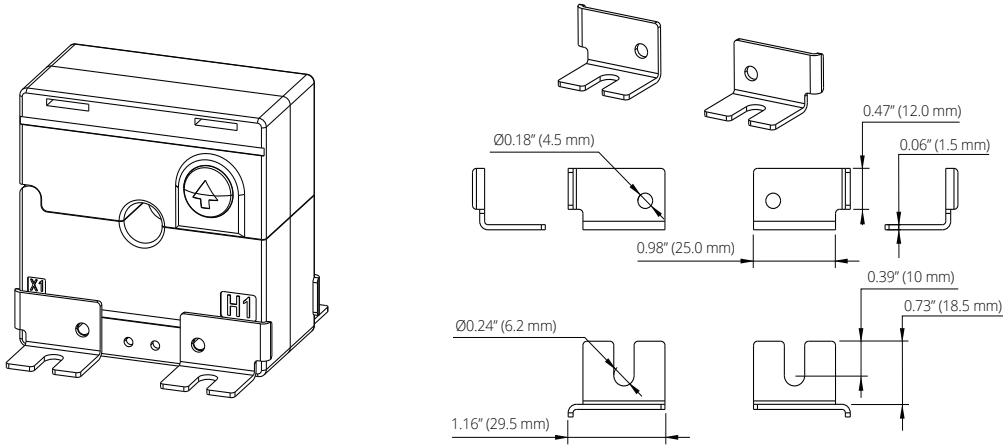
Withstand Voltage	5.0 kV / 1 mA / 1 min
Rated Voltage	600VAC, Rated CAT IV, PD3
Certifications & Compliance	CE, RoHS, UL Listed UL2808, CSA 22.2, IEC 61010-1, and IEC 61869-2

Dimensions



Mounting Accessory

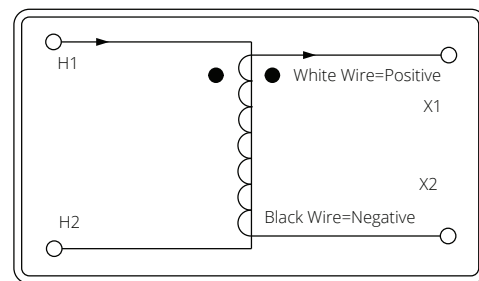
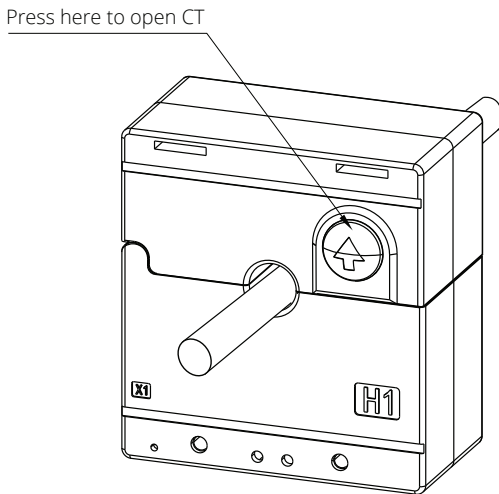
Optional mounting kit is available which can be used to secure the device. Each kit includes 4 mounting brackets, 2 mounting screws (M4 x 55 mm), and 2 mounting nuts (M4 x 3 mm or M4 x 5 mm). The zinc-plated accessory provides corrosion protection and is recommended to be tightened at torque of 0.5 to 0.8 N·m.



Installation Instructions

1. Press the buttons on both sides of the upper housing of CT to open it, so that the primary conductor cable is connected to the current transformer.

2. Insert the primary conductor cable through the window from H1 side, which must point towards the source. The white wire is the positive lead, and the black wire is the negative lead. This will ensure correct phase orientation during installation.



Ordering Information

Model	-	Rated Input	:	Rated Output
AcuCT-050A		20: 20A		80mA
		30: 30A		100mA
		50: 50A		250mV
		60: 60A		333mV
		80: 80A		
		100: 100A		
		150: 150A		

Ordering Example AcuCT-050A - 20 : 333mV

+ **Accessory (Optional)**

Model	Accessory
ACUBRAC	SP5

Ordering Example ACUBRAC - SP5



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AcuCT A Series

AcuCT-075A

Revenue Grade Split-Core
Current Transformer Datasheet



The AcuCT-075A is a premium, revenue grade split-core current transformer designed for high accuracy energy measurements and power monitoring applications. Multiple output options and class 0.5S accuracy, depending on the model, makes it ideal for metering and billing verification. The user-friendly press-open design with a durable, compact form factor enables fast installation. Optional zinc-plated mounting accessory provides stable connection and corrosion resistance for safety and quality in challenging applications.

Features

- Revenue grade accuracy compliant with IEC 61869-2 Class 0.5S from 1% - 120% of rated current.
- Multiple output options including 80mA, 100mA, and 333mV.
- Wide frequency for reliable operation from 50Hz to 400Hz.
- Press-open split-core design enables quick and simple installation.



Specifications

RATED CURRENT	50A, 75A, 80A, 100A, 125A, 150A, 200A, 250A
Current Range	1% - 120%; 5% - 120% of Rated Current
Output	80mA, 100mA, 333mV
Accuracy	0.5% @ 50A - 80A IEC 61869-2 Class 0.5S @ 100A - 250A

MECHANICAL/ENVIRONMENTAL

Form Factor	Press Open Split-Core CT
Window Size	19 mm x 19 mm (0.75" x 0.75")
Exterior Dimensions	77 mm x 85 mm x 32 mm (3.03" x 3.35" x 1.26")
Case Material	UL 94V-0 Rated Flame Retardant
Lead Wires	2.5 m (8 ft), Twisted Pair, 16 / 18 AWG
Operating Temperature	-25°C to 70°C / -13°F to 158°F
Storage Temperature	-40°C to 80°C / -40°F to 176°F
Operating Humidity	Non-Condensing, 5% to 95% RH
Installation Conditions	Indoor Use

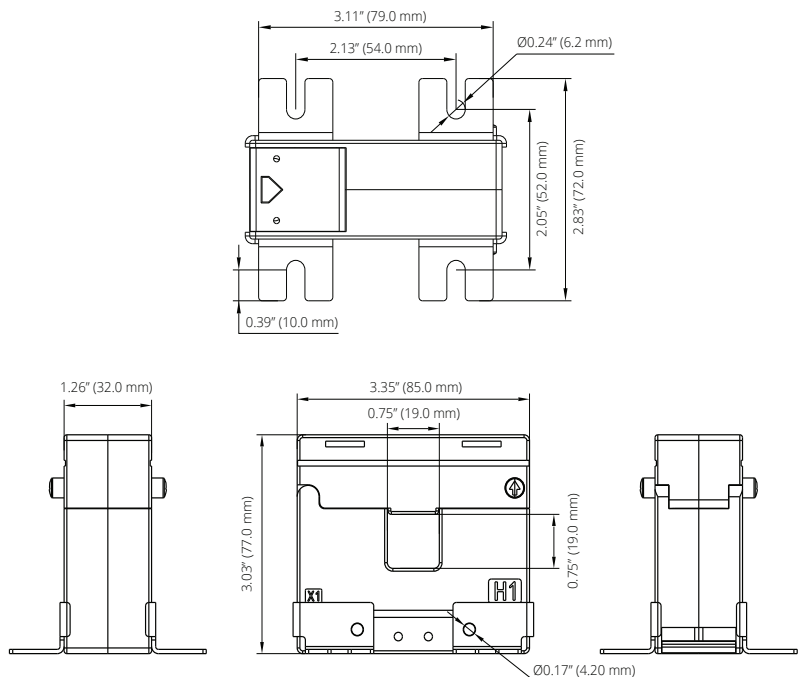
ELECTRICAL

Wire Polarity	White=Positive, Black=Negative
Phase Orientation	H1 Points Towards Source
Frequency Range	50 Hz - 400 Hz
Burden @ 80mA and 100mA Output	2.5 Ω - 10 Ω @ mA Output
Insulation Resistance	500 V / 100 MΩ min

SAFETY/COMPLIANCE

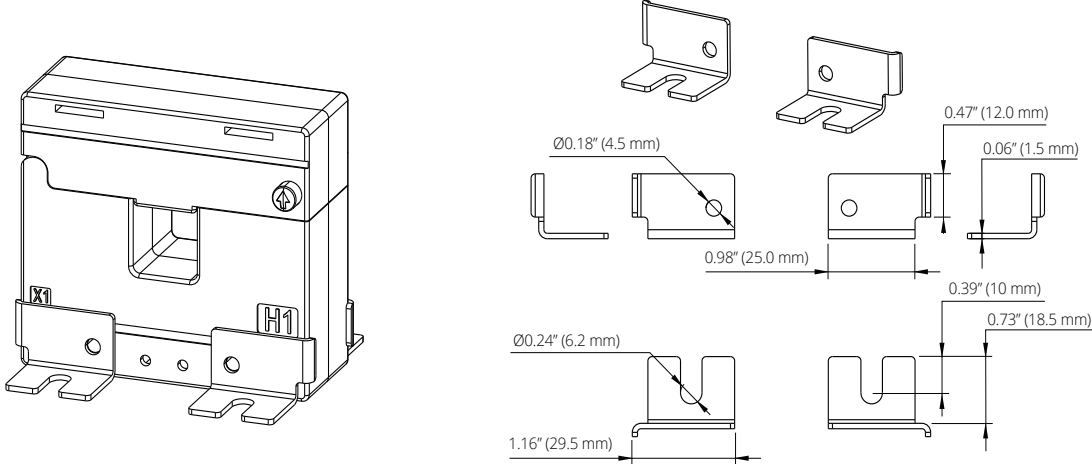
Withstand Voltage	5.0 kV / 1 mA / 1 min
Rated Voltage	600VAC, Rated CAT IV, PD3
Certifications & Compliance	CE, RoHS, UL Listed UL2808, CSA 22.2, IEC 61010-1, and IEC 61869-2

Dimensions



Mounting Accessory

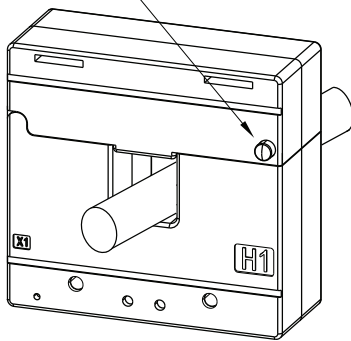
Optional mounting kit is available which can be used to secure the device. Each kit includes 4 mounting brackets, 2 mounting screws (M4 x 40 mm), and 2 mounting nuts (M4 x 3 mm or M4 x 5 mm). The zinc-plated accessory provides corrosion protection and is recommended to be tightened at torque of 0.5 to 0.8 N·m.



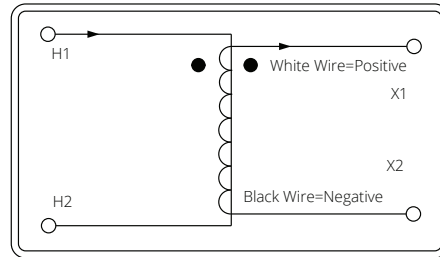
Installation Instructions

1. Press the buttons on both sides of the upper housing of CT to open it, so that the primary conductor cable is connected to the current transformer.

Press here to open CT



2. Insert the primary conductor cable through the window from H1 side, which must point towards the source. The white wire is the positive lead, and the black wire is the negative lead. This will ensure correct phase orientation during installation.



Ordering Information

Model	Rated Input	Rated Output
AcuCT-075A	50: 50A	80mA
	75: 75A	100mA
	80: 80A	333mV
	100: 100A	
	125: 125A	
	150: 150A	
	200: 200A	
	250: 250A	

Ordering Example	Model	Rated Input	Rated Output
AcuCT-075A - 50 : 100mA	AcuCT-075A	50	100mA

+ Accessory (Optional)

Model	Accessory
ACUBRAC	SP7
Ordering Example	ACUBRAC - SP7



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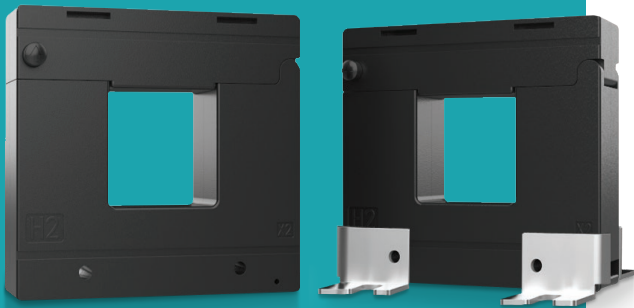
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AcuCT A Series

AcuCT-142A

Revenue Grade Split-Core
Current Transformer Datasheet



The AcuCT-142A is a premium, revenue grade split-core current transformer designed for high accuracy energy measurements and power monitoring applications. Multiple output options and class 0.5S accuracy, depending on the model, makes it ideal for metering and billing verification. The user-friendly press-open design with a durable, compact form factor enables fast installation. Optional zinc-plated mounting accessory provides stable connection and corrosion resistance for safety and quality in challenging applications.

Features

- Revenue grade accuracy compliant with IEC 61869-2 Class 0.2, Class 0.5, and Class 0.5S from 1% - 120% of rated current.
- Multiple output options including 80mA, 100mA, and 333mV.
- Wide frequency for reliable operation from 50Hz to 400Hz.
- Press-open split-core design enables quick and simple installation.



Specifications

RATED CURRENT	200A, 250A, 300A, 400A, 500A, 600A
Current Range	1% - 120%; 5% - 120% of Rated Current
Output	80mA, 100mA, 333mV
Accuracy	IEC 61869-2 Class 0.5 @ 200A - 300A IEC 61869-2 Class 0.5S @ 400A - 600A @ 80mA and 100mA IEC 61869-2 Class 0.2 @ 400A - 600A @ 333mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Press Open Split-Core CT
Window Size	36 mm x 36 mm (1.42" x 1.42")
Exterior Dimensions	89 mm x 96 mm x 32 mm (3.50" x 3.78" x 1.26")
Case Material	UL 94V-0 Rated Flame Retardant
Lead Wires	2.5 m (8 ft), Twisted Pair, 16 / 18 AWG
Operating Temperature	-25°C to 70°C / -13°F to 158°F
Storage Temperature	-40°C to 80°C / -40°F to 176°F
Operating Humidity	Non-Condensing, 5% to 95% RH
Installation Conditions	Indoor Use

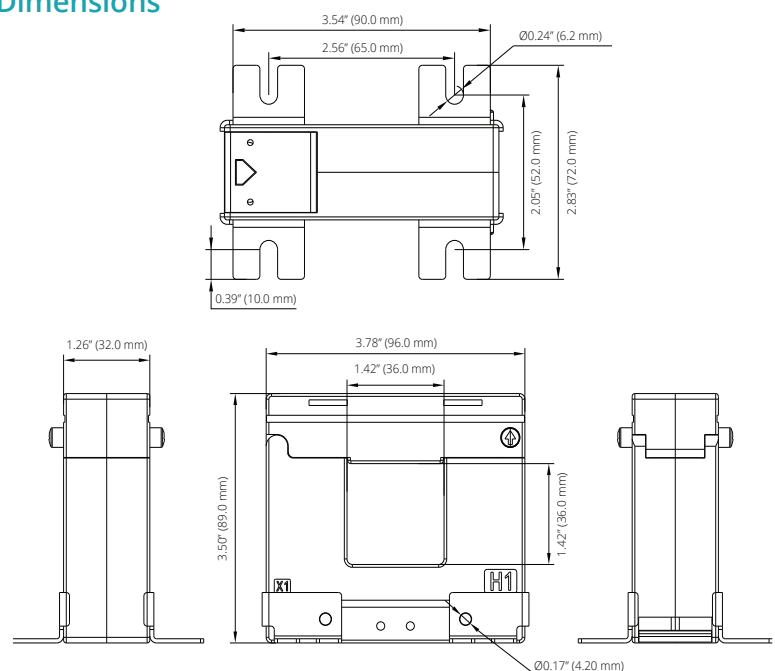
ELECTRICAL

Wire Polarity	White=Positive, Black=Negative
Phase Orientation	H1 Points Towards Source
Frequency Range	50 Hz - 400 Hz
Burden @ 80mA and 100mA Output	2.5 Ω - 10 Ω @ mA Output
Insulation Resistance	500 V / 100 MΩ min

SAFETY/COMPLIANCE

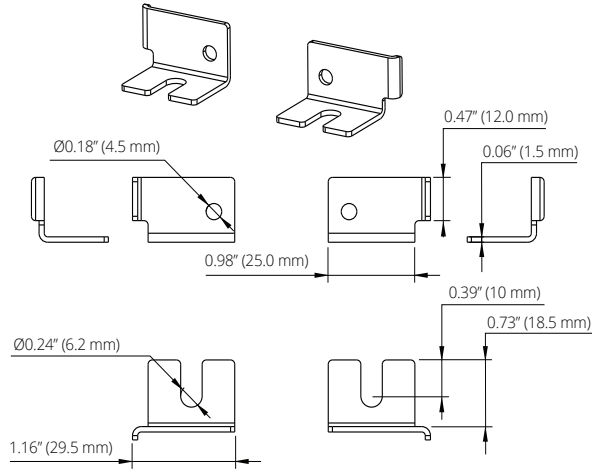
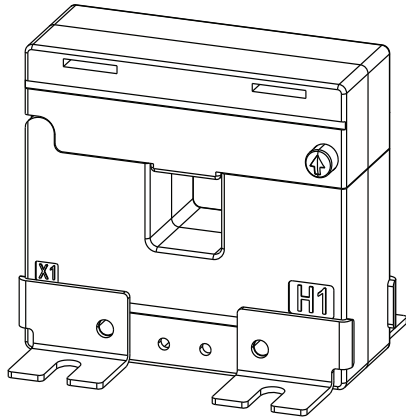
Withstand Voltage	5.0 kV / 1 mA / 1 min
Rated Voltage	600VAC, Rated CAT IV, PD3
Certifications & Compliance	CE, RoHS, UL Listed UL2808, CSA 22.2, IEC 61010-1, and IEC 61869-2

Dimensions



Mounting Accessory

Optional mounting kit is available which can be used to secure the device. Each kit includes 4 mounting brackets, 2 mounting screws (M4 x 40 mm), and 2 mounting nuts (M4 x 3 mm or M4 x 5 mm). The zinc-plated accessory provides corrosion protection and is recommended to be tightened at torque of 0.5 to 0.8 N·m.

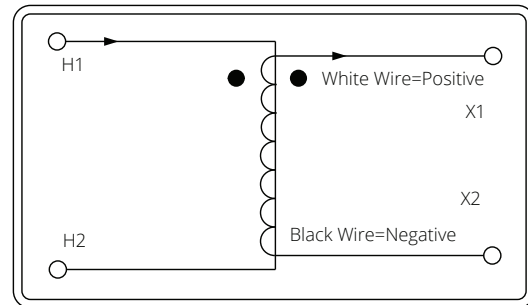
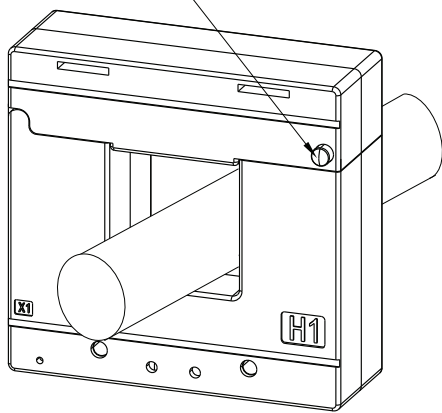


Installation Instructions

1. Press the buttons on both sides of the upper housing of CT to open it, so that the primary conductor cable is connected to the current transformer.

2. Insert the primary conductor cable through the window from H1 side, which must point towards the source. The white wire is the positive lead, and the black wire is the negative lead. This will ensure correct phase orientation during installation.

Press here to open CT



Ordering Information

Model	-	Rated Input	:	Rated Output
AcuCT-142A		200: 200A		80mA
		250: 250A		100mA
		300: 300A		333mV
		400: 400A		
		500: 500A		
		600: 600A		

Ordering Example AcuCT-142A - 200 : 100mA

+ **Accessory (Optional)**

Model	Accessory
ACUBRAC	SP7
Ordering Example	ACUBRAC - SP7



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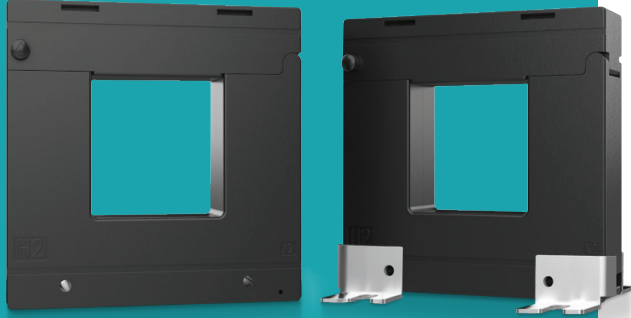
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 Specs Subject To Change Without Notice.

AcuCT A Series

AcuCT-200A

Revenue Grade Split-Core
Current Transformer Datasheet



The AcuCT-200A is a premium, revenue grade split-core current transformer designed for high accuracy energy measurements and power monitoring applications. Multiple output options and class 0.5S accuracy, depending on the model, makes it ideal for metering and billing verification. The user-friendly press-open design with a durable, compact form factor enables fast installation. Optional zinc-plated mounting accessory provides stable connection and corrosion resistance for safety and quality in challenging applications.

Features

- Revenue grade accuracy compliant with IEC 61869-2 Class 0.2, Class 0.5, and Class 0.5S from 1% - 120% of rated current.
- Multiple output options including 80mA, 100mA, and 333mV.
- Wide frequency for reliable operation from 50Hz to 400Hz.
- Press-open split-core design enables quick and simple installation.



Specifications

RATED CURRENT	400A, 500A, 600A, 750A, 800A, 1000A, 1200A, 1500A
Current Range	1% - 120%; 5% - 120% of Rated Current
Output	80mA, 100mA, 333mV
Accuracy	IEC 61869-2 Class 0.5 @ 400A - 500A IEC 61869-2 Class 0.5S @ 600A - 1500A @ 80mA and 100mA IEC 61869-2 Class 0.2 @ 600A - 1500A @ 333mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Press Open Split-Core CT
Window Size	51 mm x 51 mm (2.01" x 2.01")
Exterior Dimensions	111 mm x 115 mm x 32 mm (4.37" x 4.53" x 1.26")
Case Material	UL 94V-0 Rated Flame Retardant
Lead Wires	2.5 m (8 ft), Twisted Pair, 16 / 18 AWG
Operating Temperature	-25°C to 70°C / -13°F to 158°F
Storage Temperature	-40°C to 80°C / -40°F to 176°F
Operating Humidity	Non-Condensing, 5% to 95% RH
Installation Conditions	Indoor Use

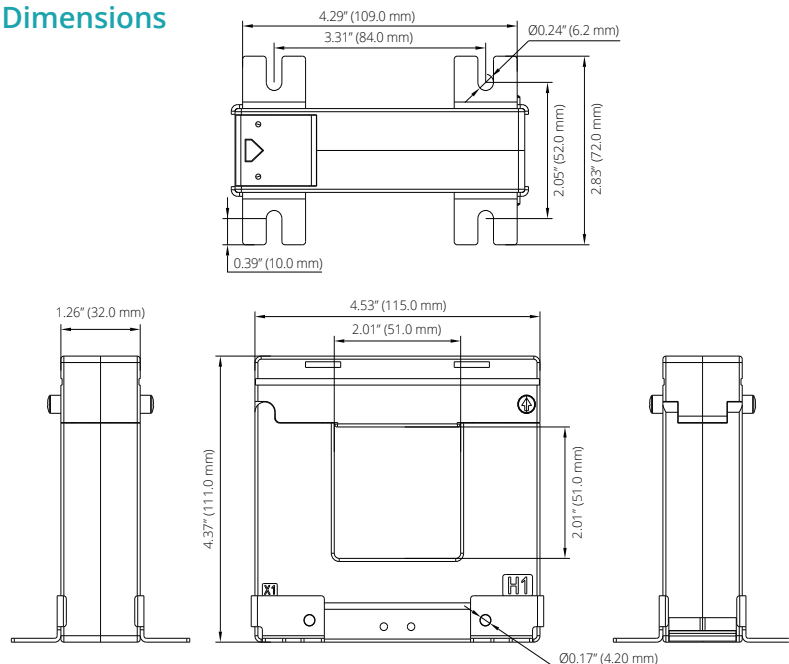
ELECTRICAL

Wire Polarity	White=Positive, Black=Negative
Phase Orientation	H1 Points Towards Source
Frequency Range	50 Hz - 400 Hz
Burden @ 80mA and 100mA Output	2.5 Ω - 10 Ω @ mA Output
Insulation Resistance	500V / 100 MΩ min

SAFETY/COMPLIANCE

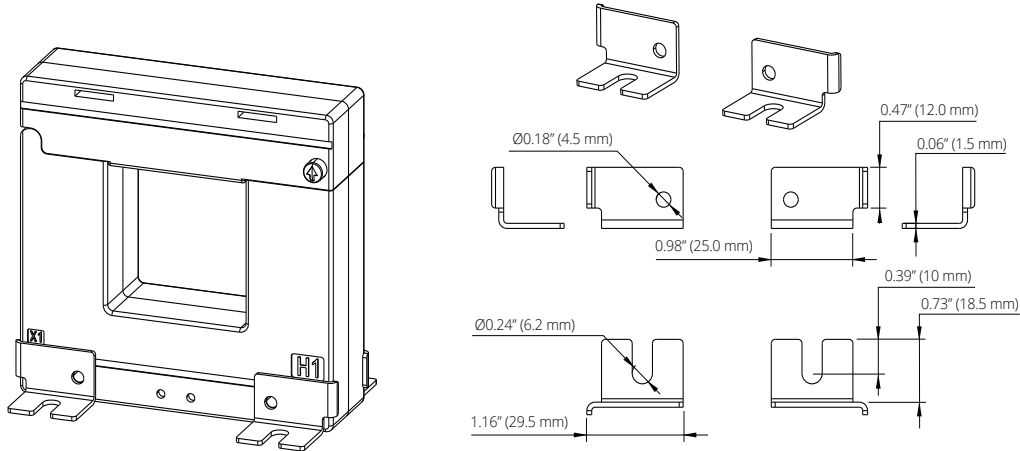
Withstand Voltage	5.0 kV / 1 mA / 1 min
Rated Voltage	600VAC, Rated CAT IV, PD3
Certifications & Compliance	CE, RoHS, UL Listed UL2808, CSA 22.2, IEC 61010-1, and IEC 61869-2

Dimensions



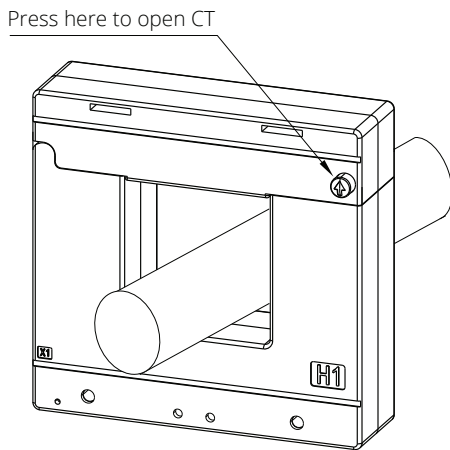
Mounting Accessory

Optional mounting kit is available which can be used to secure the device. Each kit includes 4 mounting brackets, 2 mounting screws (M4 x 40 mm), and 2 mounting nuts (M4 x 3 mm or M4 x 5 mm). The zinc-plated accessory provides corrosion protection and is recommended to be tightened at torque of 0.5 to 0.8 N·m.

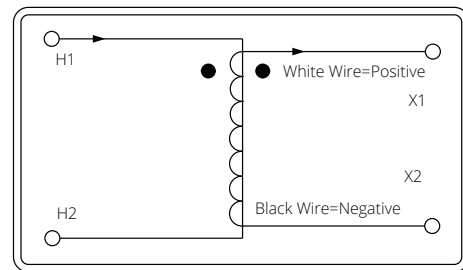


Installation Instructions

1. Press the buttons on both sides of the upper housing of CT to open it, so that the primary conductor cable is connected to the current transformer.



2. Insert the primary conductor cable through the window from H1 side, which must point towards the source. The white wire is the positive lead, and the black wire is the negative lead. This will ensure correct phase orientation during installation.



Ordering Information

Model	Rated Input	Rated Output
AcuCT-200A	400: 400A	80mA
	500: 500A	100mA
	600: 600A	333mV
	750: 750A	
	800: 800A	
	1000: 1000A	
	1200: 1200A	
	1500: 1500A	

Ordering Example AcuCT-200A - 400 : 100mA

+ Accessory (Optional)

Model	Accessory
ACUBRAC	SP7
Ordering Example	ACUBRAC - SP7



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AcuCT A Series

AcuCT-3337A

Revenue Grade Split-Core
Current Transformer Datasheet



The AcuCT-3337A is a premium, revenue grade split-core current transformer designed for high accuracy energy measurements and power monitoring applications. Multiple output options and class 0.5S accuracy, depending on the model, makes it ideal for metering and billing verification. The user-friendly press-open design with a durable, compact form factor enables fast installation. Optional zinc-plated mounting accessory provides stable connection and corrosion resistance for safety and quality in challenging applications.

Features

- Revenue grade accuracy compliant with IEC 61869-2 Class 0.2 and Class 0.5S from 1% - 120% of rated current.
- Multiple output options including 80mA, 100mA, and 333mV.
- Wide frequency for reliable operation from 50Hz to 400Hz.
- Press-open split-core design enables quick and simple installation.



Specifications

RATED CURRENT	600A, 750A, 800A, 1000A, 1200A, 1250A, 1500A, 2000A
Current Range	1% - 120%; 5% - 120% of Rated Current
Output	80mA, 100mA, 333mV
Accuracy	IEC 61869-2 Class 0.5S @ 600A - 2000A @80mA and 100mA
	IEC 61869-2 Class 0.2 @ 800A - 2000A @ 333mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Press Open Split-Core CT
Window Size	85 mm x 95 mm (3.35" x 3.74")
Exterior Dimensions	160 mm x 151 mm x 32 mm (6.30" x 5.94" x 1.26")
Case Material	UL 94V-0 Rated Flame Retardant
Lead Wires	2.5 m (8 ft), Twisted Pair, 16 / 18 AWG
Operating Temperature	-25°C to 70°C / -13°F to 158°F
Storage Temperature	-40°C to 80°C / -40°F to 176°F
Operating Humidity	Non-Condensing, 5% to 95% RH
Installation Conditions	Indoor Use

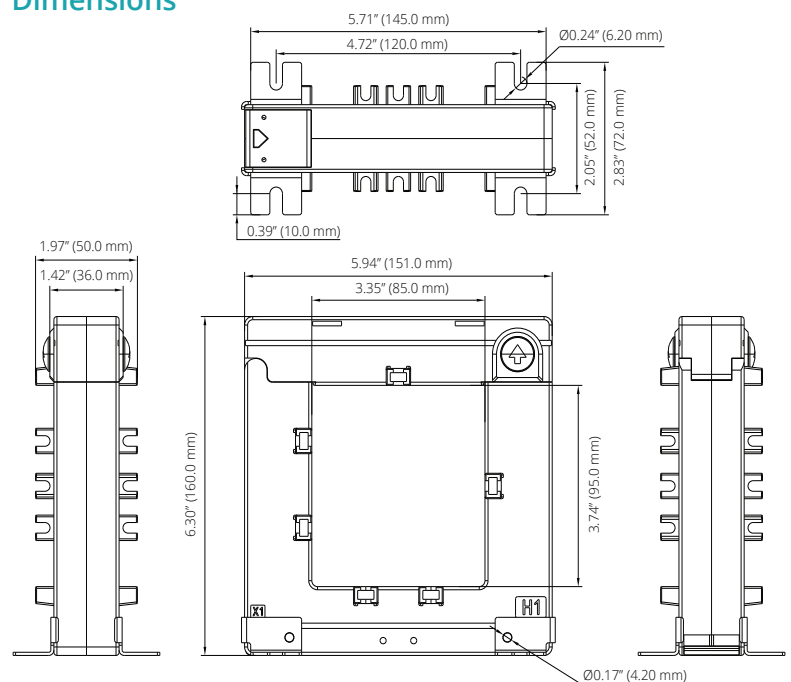
ELECTRICAL

Wire Polarity	White=Positive, Black=Negative
Phase Orientation	H1 Points Towards Source
Frequency Range	50 Hz - 400 Hz
Burden @ 80mA and 100mA Output	10 Ω @ mA Output
Insulation Resistance	500 V / 100 MΩ min

SAFETY/COMPLIANCE

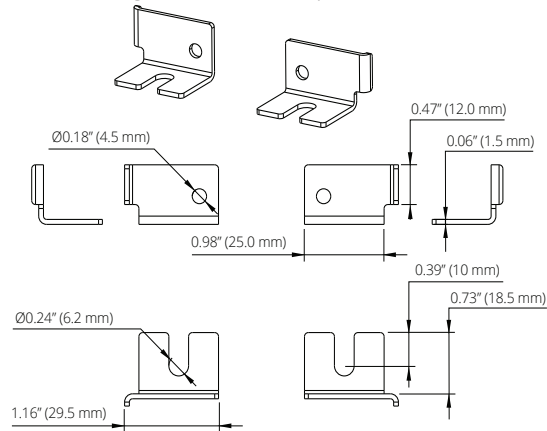
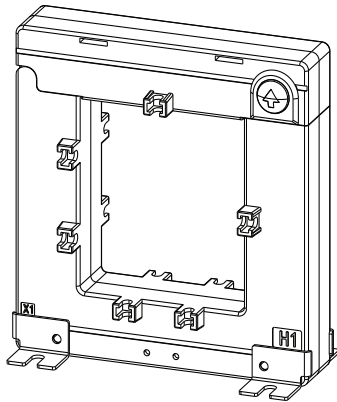
Withstand Voltage	5.0 kV / 1 mA / 1 min
Rated Voltage	600VAC, Rated CAT IV, PD3
Certifications & Compliance	CE, RoHS, UL Listed UL2808, CSA 22.2, IEC 61010-1, and IEC 61869-2

Dimensions



Mounting Accessory

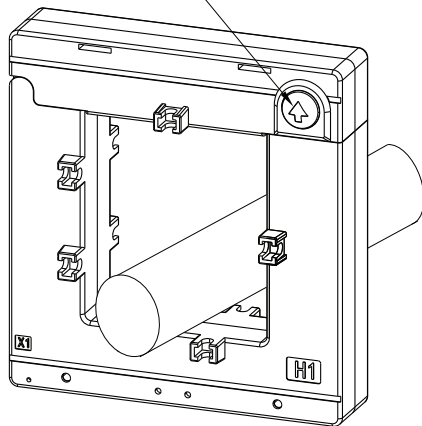
Optional mounting kit is available which can be used to secure the device. Each kit includes 4 mounting brackets, 2 mounting screws (M4 x 45 mm), and 2 mounting nuts (M4 x 3 mm or M4 x 5 mm). The zinc-plated accessory provides corrosion protection and is recommended to be tightened at torque of 0.5 to 0.8 N·m.



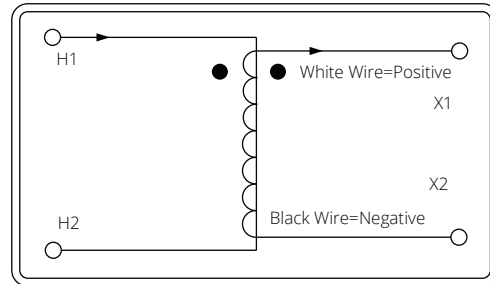
Installation Instructions

1. Press the buttons on both sides of the upper housing of CT to open it, so that the primary conductor cable is connected to the current transformer.

Press here to open CT



2. Insert the primary conductor cable through the window from H1 side, which must point towards the source. The white wire is the positive lead, and the black wire is the negative lead. This will ensure correct phase orientation during installation.



Ordering Information

Model	Rated Input	Rated Output
AcuCT-3337A	600: 600A	80mA
	750: 750A	100mA
	800: 800A	333mV
	1000: 1000A	
	1200: 1200A	
	1250: 1250A	
	1500: 1500A	
	2000: 2000A	

Ordering Example AcuCT-3337A - 600 : 100mA

+ **Accessory (Optional)**

Model	Accessory
ACUBRAC	SP8
Ordering Example	ACUBRAC - SP8



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AcuCT A Series

AcuCT-4153A

Revenue Grade Split-Core
Current Transformer Datasheet



The AcuCT-4153A is a premium, revenue grade split-core current transformer designed for high accuracy energy measurements and power monitoring applications. Multiple output options and class 0.5S accuracy, depending on the model, makes it ideal for metering and billing verification. The user-friendly press-open design with a durable, compact form factor enables fast installation. Optional zinc-plated mounting accessory provides stable connection and corrosion resistance for safety and quality in challenging applications.

Features

- Revenue grade accuracy compliant with IEC 61869-2 Class 0.2 and Class 0.5S from 1% - 120% of rated current.
- Multiple output options including 80mA, 100mA, and 333mV.
- Wide frequency for reliable operation from 50Hz to 400Hz.
- Press-open split-core design enables quick and simple installation.



Specifications

RATED CURRENT	1000A, 1200A, 1250A, 1500A, 1600A, 2000A, 2500A, 3000A, 3500A, 4000A, 5000A
Current Range	1% - 120%; 5% - 120% of Rated Current
Output	80mA, 100mA, 333mV
Accuracy	IEC 61869-2 Class 0.5S @ 1000A - 5000A @ 80mA and 100mA IEC 61869-2 Class 0.2 @ 1500A - 5000A @ 333mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Press Open Split-Core CT
Window Size	105 mm x 135 mm (4.13" x 5.31")
Exterior Dimensions	215 mm x 185 mm x 45 mm (8.46" x 7.28" x 1.77")
Case Material	UL 94V-0 Rated Flame Retardant
Lead Wires	2.5 m (8 ft), Twisted Pair, 16 / 18 AWG
Operating Temperature	-25°C to 70°C / -13°F to 158°F
Storage Temperature	-40°C to 80°C / -40°F to 176°F
Operating Humidity	Non-Condensing, 5% to 95% RH
Installation Conditions	Indoor Use

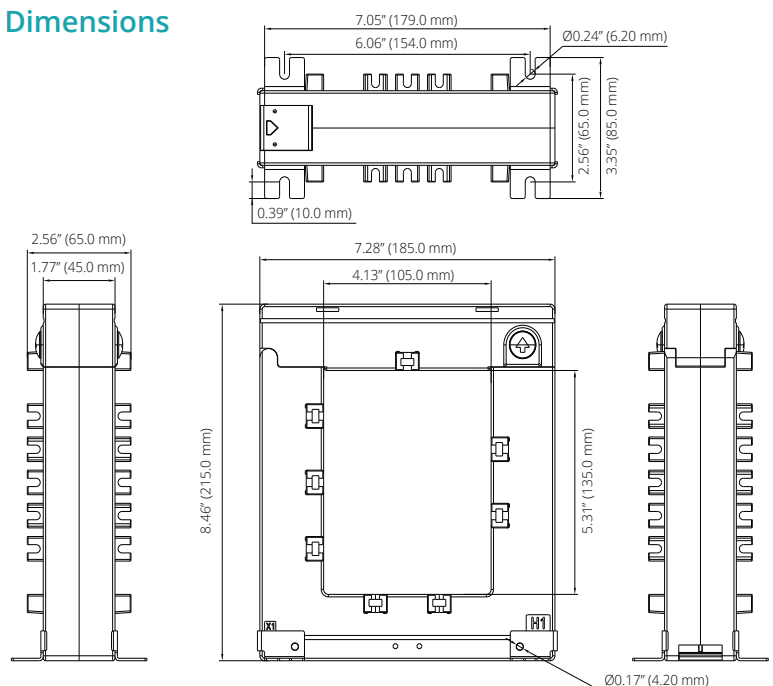
ELECTRICAL

Wire Polarity	White=Positive, Black=Negative
Phase Orientation	H1 Points Towards Source
Frequency Range	50 Hz - 400 Hz
Burden @ 80mA and 100mA Output	10 Ω @ mA Output
Insulation Resistance	500 V / 100 MΩ min

SAFETY/COMPLIANCE

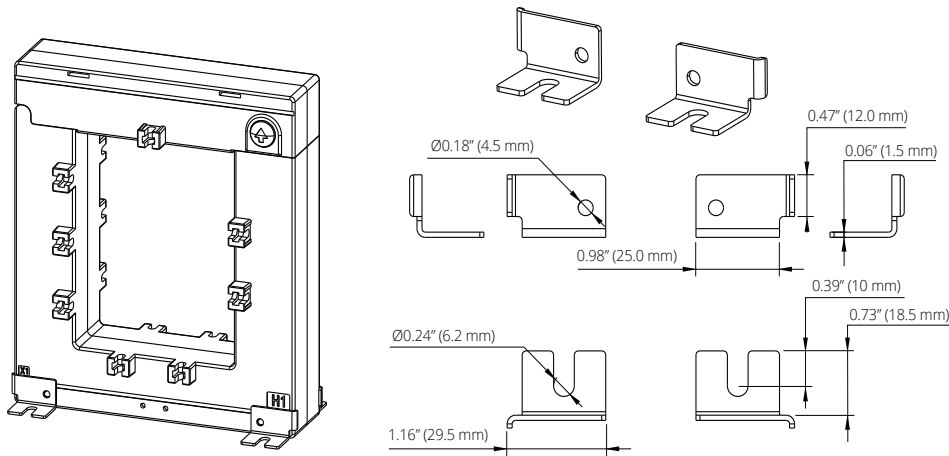
Withstand Voltage	5.0 kV / 1mA / 1min
Rated Voltage	600VAC, Rated CAT IV, PD3
Certifications & Compliance	CE, RoHS, UL Listed UL2808, CSA 22.2, IEC 61010-1, and IEC 61869-2

Dimensions



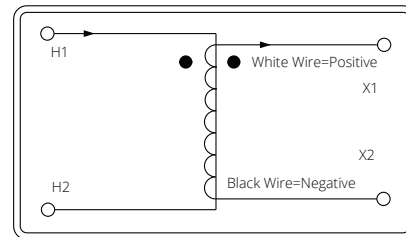
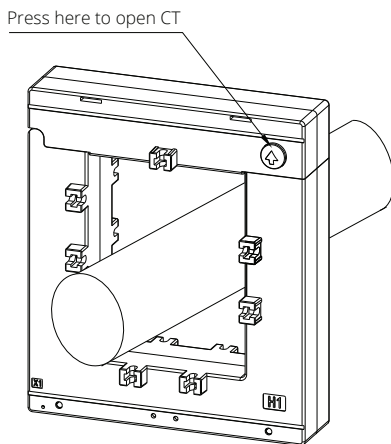
Mounting Accessory

Optional mounting kit is available which can be used to secure the device. Each kit includes 4 mounting brackets, 2 mounting screws (M4 x 55 mm), and 2 mounting nuts (M4 x 3 mm or M4 x 5 mm). The zinc-plated accessory provides corrosion protection and is recommended to be tightened at torque of 0.5 to 0.8 N·m.



Installation Instructions

1. Press the buttons on both sides of the upper housing of CT to open it, so that the primary conductor cable is connected to the current transformer.
2. Insert the primary conductor cable through the window from H1 side, which must point towards the source. The white wire is the positive lead, and the black wire is the negative lead. This will ensure correct phase orientation during installation.



Ordering Information

Model	- Rated Input	: Rated Output
AcuCT-4153A	1000: 1000A	80mA
	1200: 1200A	100mA
	1250: 1250A	333mV
	1500: 1500A	
	1600: 1600A	
	2000: 2000A	
	2500: 2500A	
	3000: 3000A	
	3500: 3500A	
	4000: 4000A	
	5000: 5000A	

Ordering Example AcuCT-4153A - 1000 : 100mA

+ Accessory (Optional)

Model	Accessory
ACUBRAC	SP5

Ordering Example ACUBRAC - SP5



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