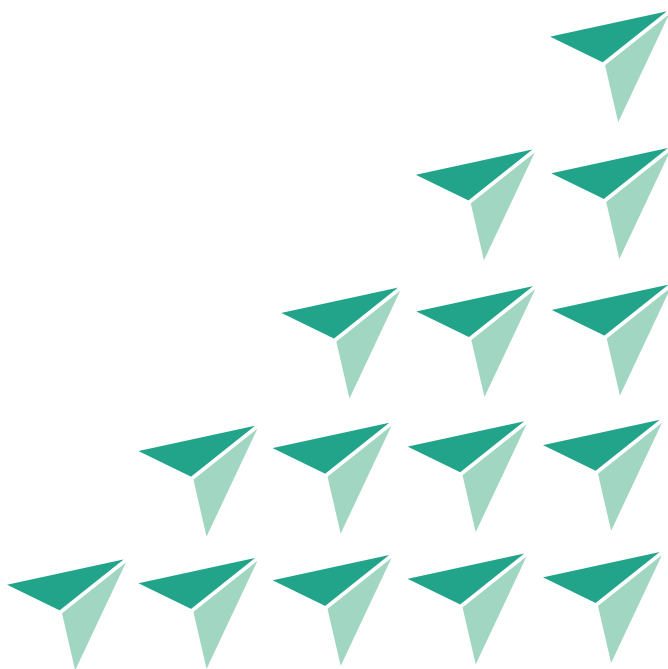
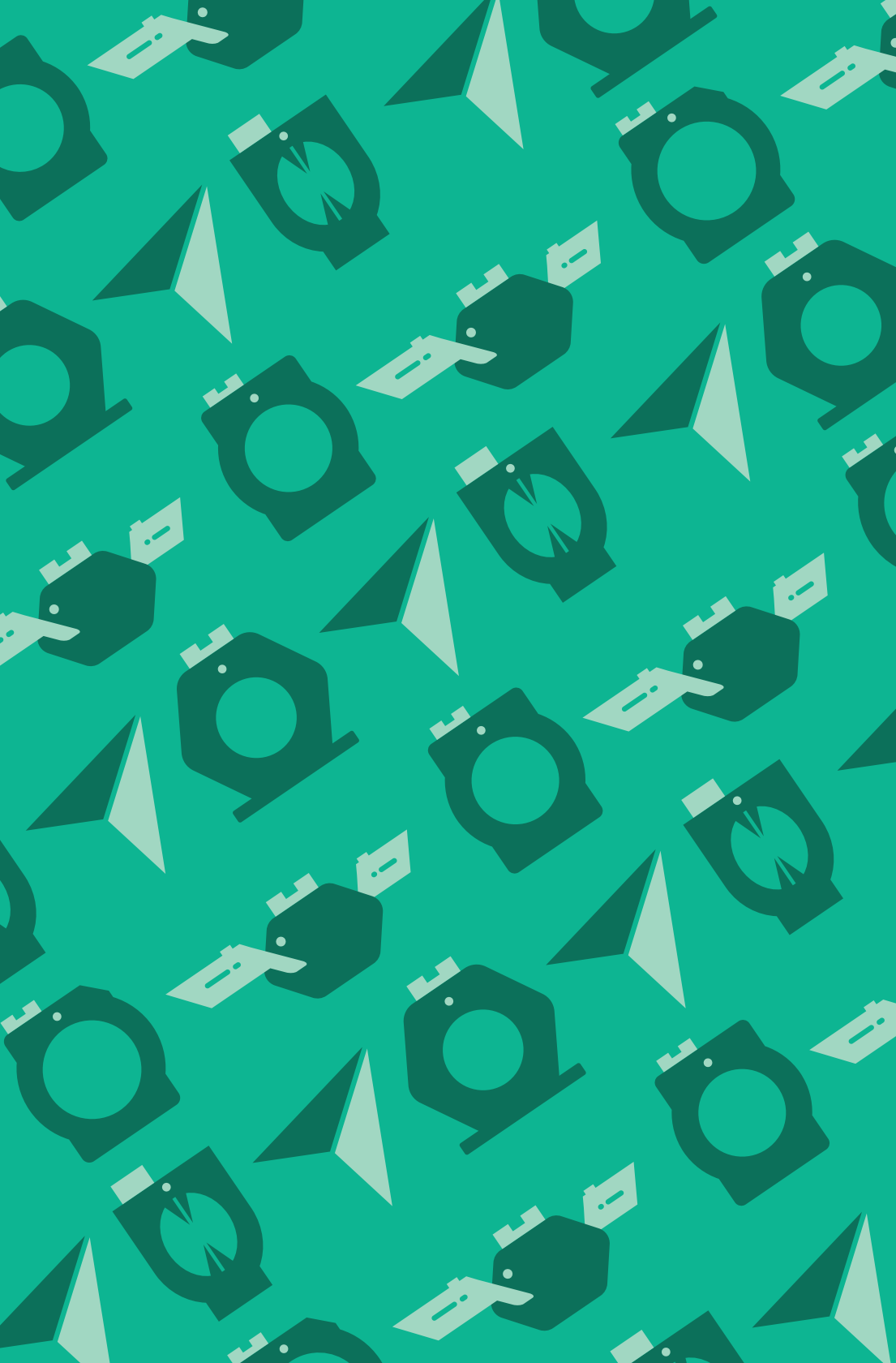


# The AccuGuide

Your Key to Power in Precision.





# Contents

Who We Are ..... 2

AccuGrid Easy ..... 3

General CT Info ..... 4

Benefits of High Accuracy ..... 5

COM ..... 6

COV ..... 8

COS ..... 10

COL ..... 12

COE ..... 14

Cross Reference & Notes ..... 16





# WHO WE ARE

We started AccuGrid because we believe you should demand more from the status quo of the industry. Putting our customers first is our top priority. You serve the public in an important way, so you shouldn't have to deal with long lead times, complicated ordering, and poor customer service.

With decades of combined experience, we're building a company that centers on you and your specific needs. Our team prides itself on excellent customer service, fast delivery times, and competitive pricing. Our products are manufactured in our North Carolina facility and are tested by third-party labs to ensure that they meet the top quality standards. AccuGrid is based in Wilson, NC, and is committed to providing secure jobs for families in the U.S.

***Your job is hard enough. We make it easier.***



# ACCUGRID EASY



## Ready to Ship Within 24 Hours

The industry's largest inventory of stocked instrument transformers.



## Peace of Mind

The industry's only 10-year warranty on instrument transformers.



## Unmatched Performance

Highest rating factors, temperature performance, and accuracies.



## Seamless Replacements

The broadest portfolio to match or replace any legacy brand.



## Long-Lasting Durability

Solid dielectric construction for extended outdoor life.



# ACCUGRID PRODUCTS

## Applications

600V metering current transformers (CTs) are used in a variety of commercial metering applications where revenue class metering is necessary for billing purposes.

## High Accuracy, Extended Range

High accuracy extended range CTs exceed the IEEE 0.15S accuracy standard. These CTs meet or exceed every 600V metering class CT in the industry with an accuracy of 0.15% from 1% of nominal current through rating factor. All AccuGrid CTs are also available in standard accuracy.

## Construction

The core is constructed from wound layers of high accuracy, low loss electrical grade steel. The core is evenly wound with enamel coated copper wire to ensure against potential short circuits. The core and coil assembly is encapsulated in polyurethane specifically engineered for premium dielectric, mechanical and thermal properties for indoor and outdoor applications.

## Test Reports

Each AccuGrid CT has a unique serial number which allows the customer to track each test record. Certified test reports are stored electronically and provided with every shipment.

## Specifications

Insulation: 600V, 10kV BIL

Frequency: 60 Hz

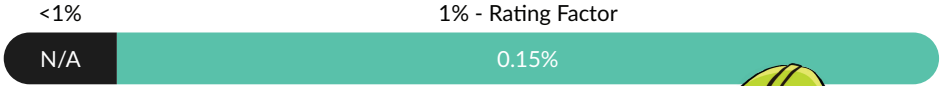
Environment: Indoor / outdoor

Standards: IEEE C57.13-2016

RUS: All AccuGrid CTs are RUS listed

# THE BENEFITS OF HIGH ACCURACY

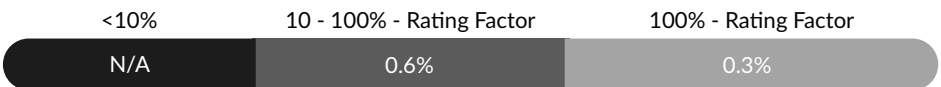
## High Accuracy Extended Range CTs



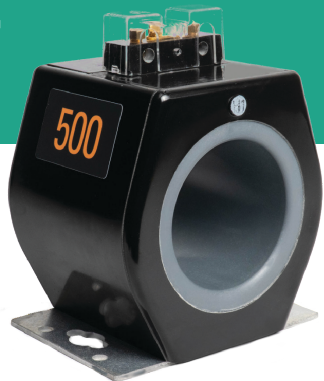
- ✓ INCREASE REVENUE CAPTURE
- ✓ REDUCE CT INVENTORY
- ✓ SIMPLIFY METER MULTIPLIERS
- ✓ HANDLE VARIABLE LOADS



## Standard Accuracy CTs



# COM 600V Metering CT



Designed for pole-mounted applications  
and wall-mounted meter cabinets.

## Available Options

## Low baseplate

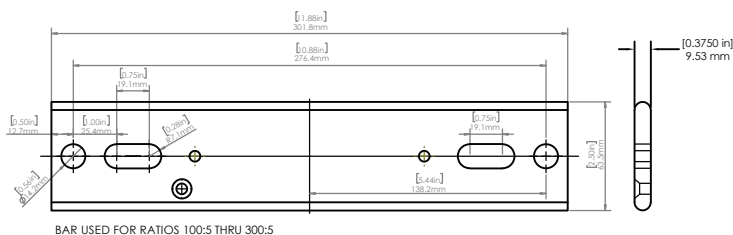
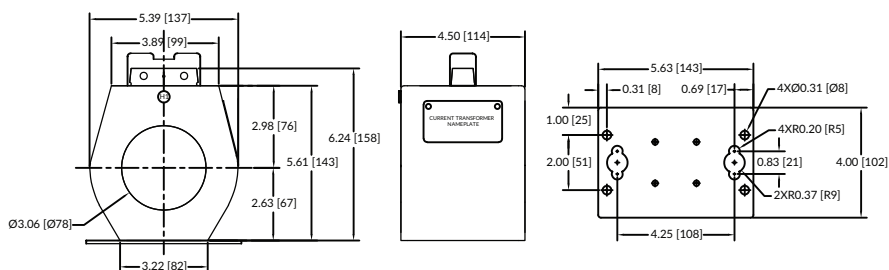
High baseplate

High ratio bar (ratios 400:5 and above)

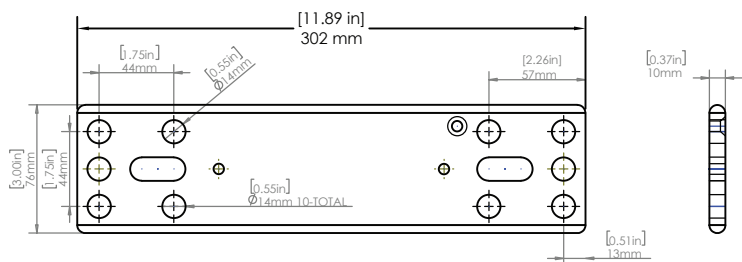
Low ratio bar (ratios 300:5 and below)

\*Additional bars available upon request

## Dimensions



BAR USED FOR RATIOS 100:5 THRU 300:5



BAR USED FOR RATIOS 400:5 AND GREATER.

Metric dimensions displayed in [mm]

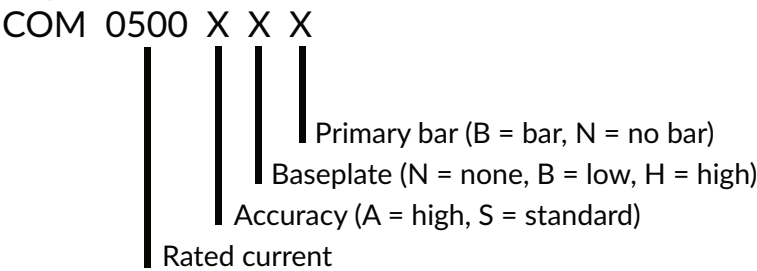
\*Diameter = 2.6" [66mm] on COM0100SNN through COM0300SNN

## Selection Guide

Product Number	Rated Current (A)	IEEE Metering Accuracy	Rating Factor	
High Accuracy	Ratio		30° C	55° C
COM0500ANN	500:5	0.15SB-0.2	2.0	1.5
COM0500ANN-X	500:5	0.15SB-0.1	3.0	2.2
COM0500ANN-H	500:5	0.15SB-0.2	4.0	3.0
COM0600ANN	600:5	0.15SB-0.5	2.0	1.5
COM0600ANN-X	600:5	0.15SB-0.2	3.0	2.0
COM1000ANN	1000:5	0.15SB-0.5	2.0	1.5
Standard Accuracy	Ratio		30° C	55° C
COM0100SNN	100:5	0.3B-0.1	4.0	3.0
COM0150SNN	150:5	0.3B-0.2	4.0	3.0
COM0200SNN	200:5	0.3B-0.2	4.0	3.0
COM0400SNN	400:5	0.3B-0.5	4.0	3.0
COM0600SNN	600:5	0.3B-0.5	2.0	1.5
COM0800SNN	800:5	0.3B-0.5	2.0	1.5
COM1200SNN	1200:5	0.3B-1.8	1.5	1.2

## Other ratios available upon request

### Key to Selection Guide



### Notes

High accuracy units exceed the 0.15S class.  
Accurate from 1% of rated current to rating factor.

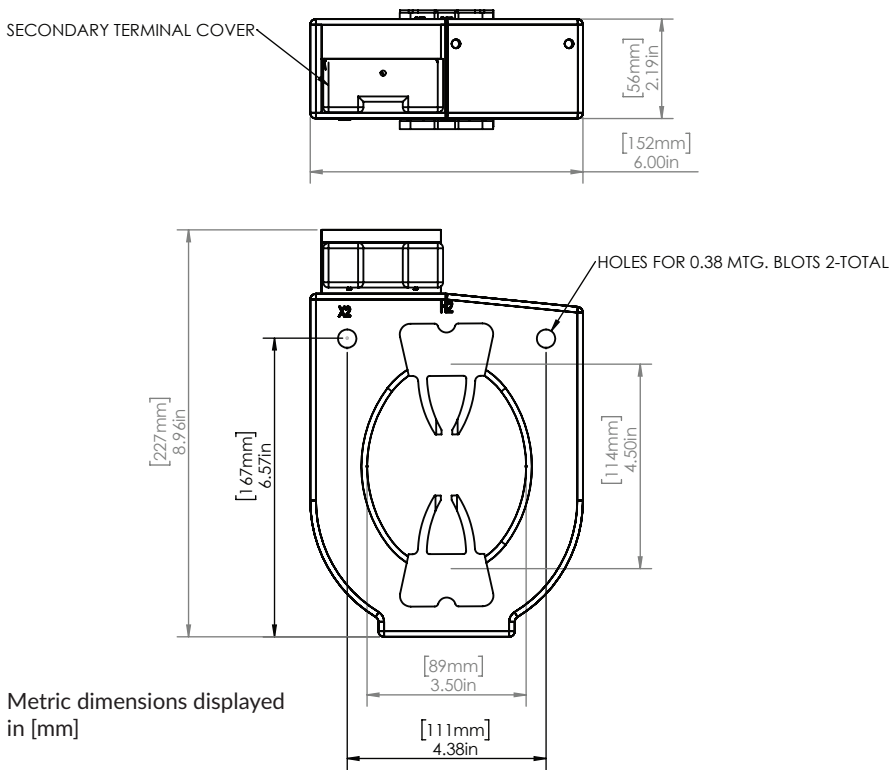
# COV 600V Metering CT

Designed to fit on a 4" primary bus found in padmount transformers and can withstand temperatures up to 85° C.

Available Options  
Baseplate



## Dimensions



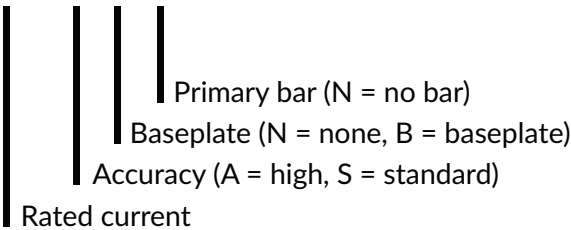
## Selection Guide

Product Number	Rated Current (A)	IEEE Metering Accuracy	Rating Factor
High Accuracy	Ratio		85° C
COV0500ANN	500:5	0.15SB-0.2	2.0
COV0500ANN-H	500:5	0.15SB-0.2	4.0
COV0600ANN	600:5	0.15SB-0.5	2.0
COV0600ANN-X	600:5	0.15SB-0.2	3.0
COV1000ANN	1000:5	0.15SB-0.5	2.0
COV2000ANN	2000:5	0.15SB-0.5	2.0
COV2000ANN-H	2000:5	0.15SB-0.5	2.25
COV4000ANN	4000:5	0.15SB-0.5	1.0
Standard Accuracy	Ratio		85° C
COV0200SNN	200:5	0.3B-0.1	4.0
COV0400SNN	400:5	0.3B-0.2	4.0
COV0600SNN	600:5	0.3B-0.5	3.0
COV0800SNN	800:5	0.3B-0.5	3.0
COV1000SNN	1000:5	0.3B-0.5	2.0
COV1200SNN	1200:5	0.3B-0.5	2.0
COV1500SNN	1500:5	0.3B-0.5	2.0
COV2000SNN	2000:5	0.3B-0.5	1.5
COV4000SNN	4000:5	0.3B-0.5	1.0

## Other ratios available upon request

### Key to Selection Guide

COV 0500 X X X

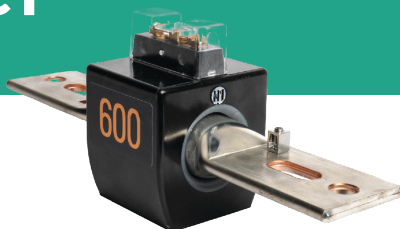


### Notes

High accuracy units exceed the 0.15S class.  
Accurate from 1% of rated current to rating factor.

# COS 600V Metering CT

Designed for meter cabinet enclosures.



## Available Options

## Low baseplate

High baseplate

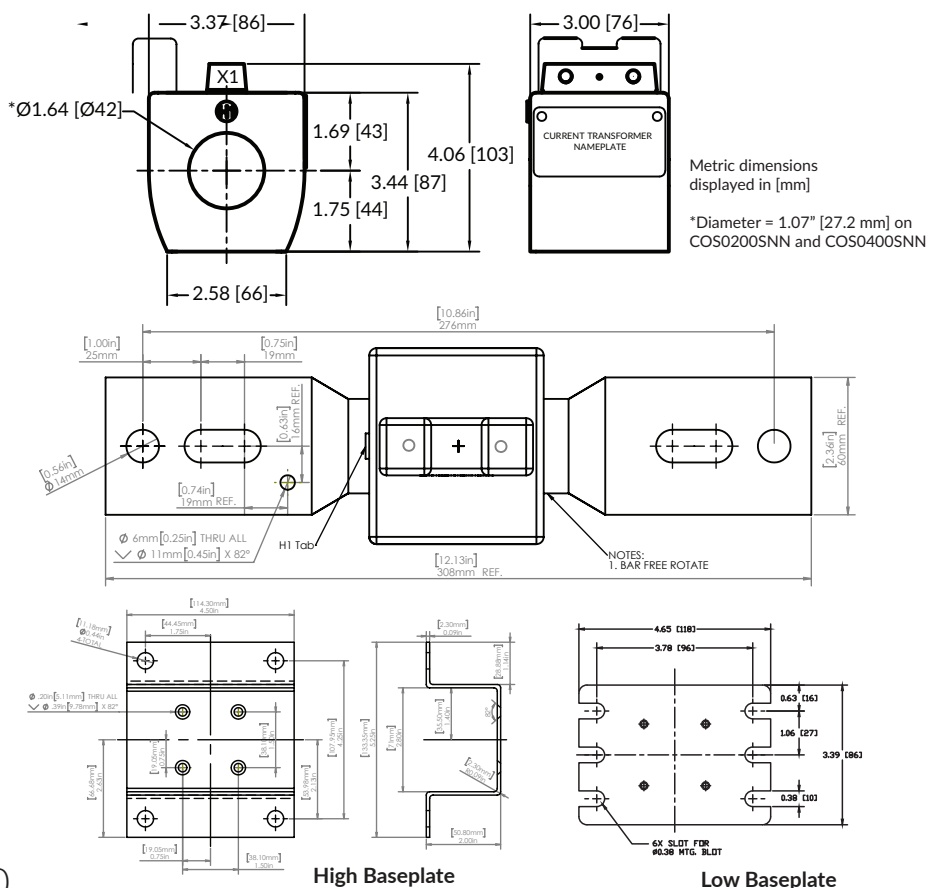
Pressed bar

Thin bar

Bolted bar

\*Additional bars available upon request

## Dimensions





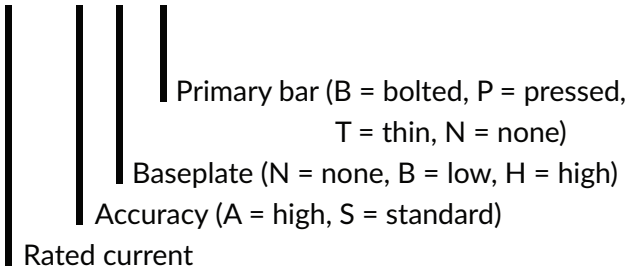
## Selection Guide

Product Number	Rated Current (A)	IEEE Metering Accuracy	Rating Factor	
High Accuracy	Ratio		30° C	55° C
COS0300ANN	300:5	0.15SB-0.1	3.0	2.2
COS0600ANN	600:5	0.15SB-0.2	2.0	1.5
Standard Accuracy	Ratio		30° C	55° C
COS0200SNN	200:5	0.3B-0.2	2.0	1.5
COS0200SNN-X	200:5	0.3B-0.1	3.0	2.2
COS0400SNN	400:5	0.3B-0.2	2.0	1.5

## Other ratios available upon request

### Key to Selection Guide

COS 0600 X X X



### Notes

High accuracy units exceed the 0.15S class.  
Accurate from 1% of rated current to rating factor.

Available bars pictured below:



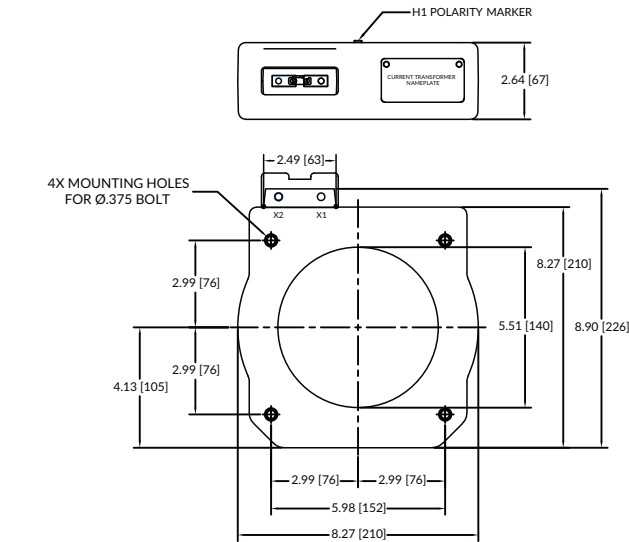
# COL 600V Metering CT

Designed for higher amperage ratings with a 5.5" opening to handle primary cables.

## Available Options

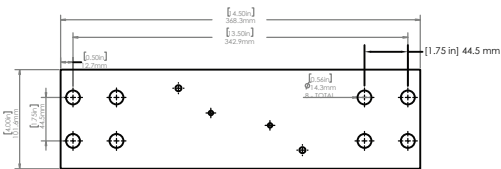
- Baseplate
- Standard bar
- Short bar

## Dimensions

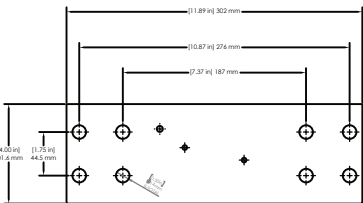


## Bar Max Amps

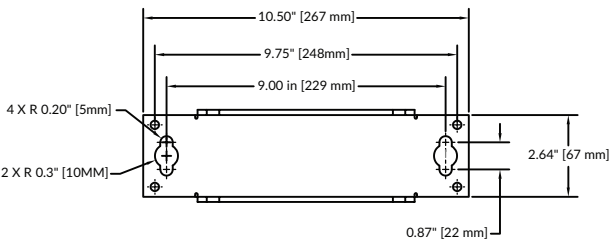
- 1950A, 1 Bar
- 3200A, 2 Bar
- 4200A, 3 Bar
- 5100A, 4 Bar



Standard Bar



Short Bar



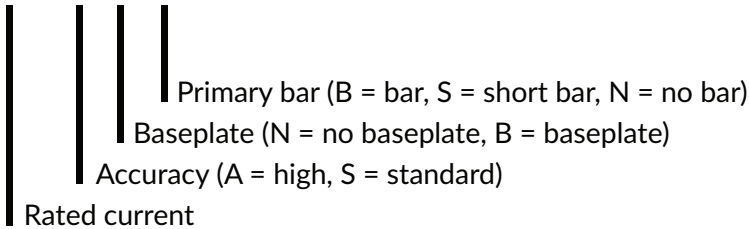
## Selection Guide

Product Number	Rated Current (A)	IEEE Metering Accuracy	Rating Factor	
High Accuracy	Ratio		30° C	55° C
COL1200ANN	1200:5	0.15SB-0.9	2.0	1.5
COL1500ANN	1500:5	0.15SB-0.9	3.0	2.5
COL2000ANN	2000:5	0.15SB-0.9	2.5	1.75
Standard Accuracy	Ratio		30° C	55° C
COL0600SNN	600:5	0.3B-0.5	3.0	2.2
COL0800SNN	800:5	0.3B-0.5	2.0	1.5
COL1000SNN	1000:5	0.3B-0.5	2.0	1.5
COL1200SNN	1200:5	0.3B-0.9	2.0	1.5
COL1500SNN	1500:5	0.3B-0.9	2.0	1.5
COL2000SNN	2000:5	0.3B-1.8	2.0	1.5
COL3000SNN	3000:5	0.3B-0.9	1.5	1.2
COL4000SNN	4000:5	0.3B-1.8	1.33	1.0

## Other ratios available upon request

### Key to Selection Guide

COL 2000 X X X



### Notes

High accuracy units exceed the 0.15S class.

Accurate from 1% of rated current to rating factor.

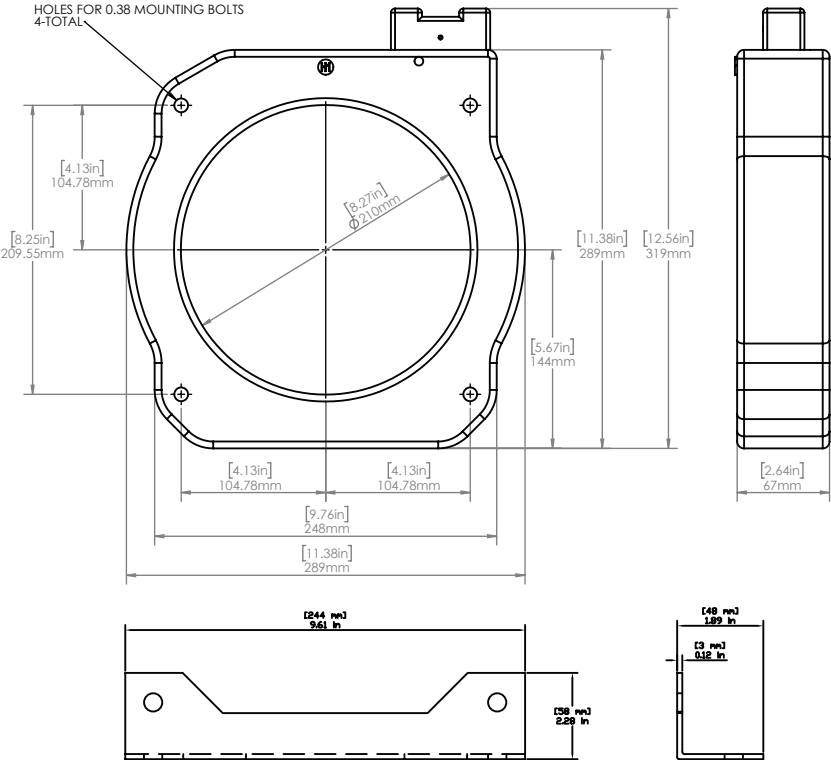
# COE 600V Metering CT

Designed for higher amperage ratings with an 8.27" opening to handle primary cables or a large bus.

Available Options  
Baseplate



## Dimensions



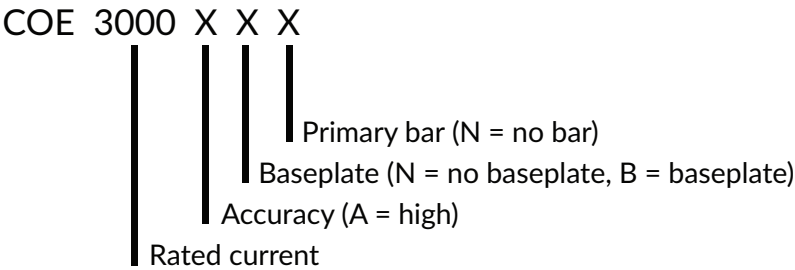
Metric dimensions displayed in [mm]

Selection Guide

Product Number	Rated Current (A)	IEEE Metering Accuracy	Rating Factor	
High Accuracy	Ratio		30° C	55° C
COE3000ANN	3000:5	0.15SB-0.2	2.0	1.5
COE4000ANN	4000:5	0.15SB-0.5	1.5	1.2
COE5000ANN	5000:5	0.15SB-0.5	1.33	1.0

Other ratios available upon request

Key to Selection Guide



Notes

High accuracy units exceed the 0.15S class.  
Accurate from 1% of rated current to rating factor.

# High Accuracy CT Cross Reference

AccuGrid	ABB	Arteche
COM	CMF-S	IRH-5
COV	CMV-S	IRH-7
COS	CBT-S	IRH-1
COL	CLC-S	IRH-10
COE	CLE	IRH-12

## Notes

GE	GEC Durham	Ritz
JAK-OS	Type AB	DCCW/DCCB
JAB-OS	Type AP	DCDW
JCT-OS	Type TCB	DCAW/DCAB
JAD-OS	Type AD	DCEW/DCEB
-	-	-

---

---

---

---

---

---

---

---



AccuGrid Technologies, Inc.

[www.accugridtech.com](http://www.accugridtech.com)

1.844.732.5247

[customerservice@accugridtech.com](mailto:customerservice@accugridtech.com)

605 Tarboro Street Annex SW

Wilson, NC 27893

