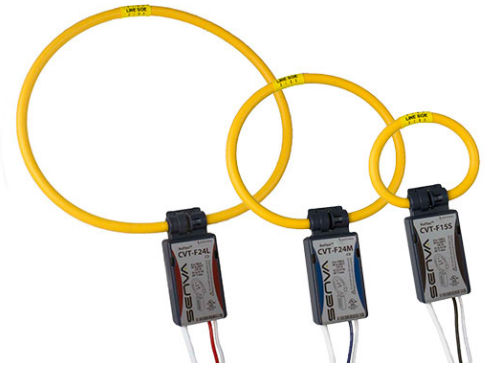
CVT Series

Current/Voltage Transducers

1% total system accuracy (meter & CVT)
For use with Pulse and Protocol Versions of the EM Series Meter
Flexible Split-core Rogowski CVT™ Sensors
Monitor loads from 30-6000A & 90-600V



DESCRIPTION

The Current/Voltage Transducer (CVT) measures both voltage and current, communicating the data digitally to the meter via plug-in low voltage connections. This allows the meter to remain a low-voltage device. Each CVT uses digital communication with the meter for superior noise immunity. The CVTs are individually calibrated and measurement accuracy is independent of the transducer. To complement the CVT, our metering platform offers two meter options (EM-PULSE & EM-RS485) which are small enough to fit in the palm of your hand, yet powerful enough to self-configure during installation, removing all manual configuration. Virtually a plug and play BACnet meter!

APPLICATIONS

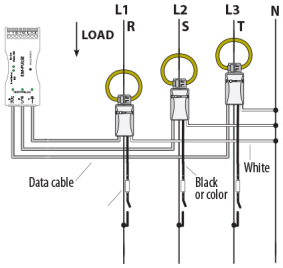
- Energy Management and performance contracting
- Monitoring for commercial tenants
- Activity-based costing in commercial and industrial facilities
- Real-time power monitoring
- Load shedding
- Audits/temporary monitoring
- Distributed generation
- Great for data center CVT



Flexible split-core CVT sensors are easy to install with plug and play high accuracy



Fusing is NOT required for most applications



Meter base is low voltage and safe

FEATURES

- Digitally calibrated CVTs™ are extremely accurate
- The accuracy is as high as a calibrated system, yet different CVTs ™ can be changed from meter to meter while maintaining accuracy. A big advantage for auditing, since meter is not size specific.
- Plug and play installation— individual CVTs™ are digitally recognized by the meter and outputs are automatically scaled—no user set up is required.
- Digital communication offers superior noise immunity compared to traditional induced low-signal Rogowskis
- All the high voltage connections are at the CVT™
- Rogowski CVTs™ are available in 4 sizes from 9" to 36" in circumference and include several rating options from 300A to 6000A and are universally rated for 90-600V
- No fusing required for CVT wire runs under 10'

ORDERING

CVT- [F]

Type
F= Flexible Rogowski

Coil (Amps/Size)
03S= 300A/Small
08S= 800A/Small
08M= 800A/Medium
15S= 1500A/Small
15M= 1500A/Medium
24M= 2400A/ Medium
24L= 2400A/Large
60G= 6000A/Grande

Lead Length
Blank= 3' (Default)
L06= 6'
L10=10'

Lead Color
Blank= Black (Default)
C2= Red
C6=Blue
3PH= 4-20mA, 3-Wir

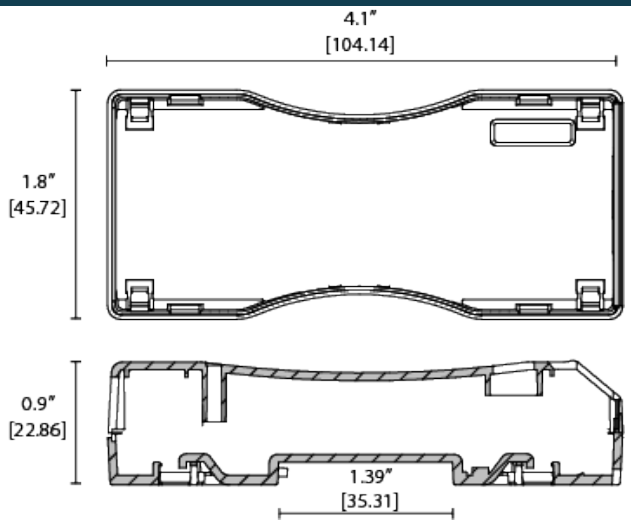
Color

CVT-FUSE- [ ]

Color
Blank = black (default)
C2 = Red
C6 = Blue
3PH = Three Fuse Kit (1 Black, 1 Red, 1 Blue)



DIMENSIONS



Warning: The datasheet is designed for reference only. Refer to installation instructions that accompany the product and heed all safety instructions. Product improvement is a continuing process at Senva. Changes may occur to products without prior notice.

SPECIFICATIONS

Performance	Accuracy	1% System Accuracy (Includes Meter & CVTs) for V, A, KW, kVAR, KVA
Current/Voltage TransducerTM	Small Rope Circumference	9"
	Medium Rope Circumference	15"
	Large Rope Circumference	24"
	Grande Rope Circumference	36"
	300A Operating Range(1)	±1% of reading from 7.5-300A (2.5-100% of rated current)
	800A Operating Range	±1% of reading from 30-800A (3.75-100% of rated current)
	1500A Operating Range	±1% of reading from 30-1500A (2-100% of rated current)
	2400A Operating Range	±1% of reading from 50-2400A (2-100% of rated current)
	6000A Operating Range	±1% of reading from 120-6000A (2-100% of rated current)
Operating Environment	Temperature	-4 to 140oF (-20 to 60oC)
	Humidity	0-95% non-condensing
Meter Enclosure	Material	Polycarbonate/ABS
	Dimensions	4.1"h x 1.8"w x 0.9"d
CVT^{TM} Enclosure	Material	Polycarbonate/ABS
	Enclosure Dimensions	3.5"h x 1.6"w x 0.8"d
Fuse specifications (not required per UL on CVT runs under 10')	Fuse type	1/2 Amp, 600VAC slow blow, 200kA AC Interrupting rating
	Dimensions	4.1"h x 1.8"w x 0.9"d

(1) CVT must be installed with the current-carrying wire centered, as described in installation manual, to achieve stated accuracy at low ranges.

** Product improvement is a continual process at Senva and product features and specification may change without prior notice. Refer to instructions that accompany the product for installation and wiring.*