

# H6810, H6811, H6812

## 1 VAC and 0.333 VAC Current Transducers



### Installer's Specifications

Output at Rated Current	0.333 or 1 VAC
Accuracy	1% from 10% to 100% of rated current
Frequency Range	50/60 Hz
Leads	18AWG, 600VAC, UL 1015 twisted pair, 6 ft. (1.8m) standard length
Weight	H6810: 0.340 kg; H6811: 0.580 kg; H6812: 0.870 kg
Operating Temperature Range	-15° to 60°C (5° to 140°F)
Storage Temperature Range	-40° to 70°C (-40° to 158°F)
Humidity Range	0-95% noncondensing
Max. Voltage L-N Sensed Conductor	600VAC (basic insulation rating) *
Altitude of Operation	3km max.
Installation Category	Cat II or Cat III

\* Do not apply 600V Class current transducers to circuits having a phase-to-phase voltage greater than 600V, unless adequate additional insulation is applied between the primary conductor and the current transducers. Veris assumes no responsibility for damage of equipment or personal injury caused by products operated on circuits above their published ratings.


**DANGER**

### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
  - This equipment must only be installed and serviced by qualified electrical personnel.
  - Read, understand and follow the instructions before installing this product.
  - Turn off all power supplying equipment before working on or inside the equipment.
  - Use a properly rated voltage sensing device to confirm power is off.
- DO NOT DEPEND ON THIS PRODUCT FOR VOLTAGE INDICATION

Failure to follow these instructions will result in death or serious injury.

## NOTICE

- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- The installer is responsible for conformance to all applicable codes.
- Mount this product inside a suitable fire and electrical enclosure.
- This product provides basic insulation only.

Documentation must be consulted where this symbol is used on the product.

This symbol indicates an electrical shock hazard exist.

Always use this product in the manner specified or the protection provided by the product may be impaired. This product must be installed in an appropriate Fire and Electrical enclosure per local regulations.

## QUICK INSTALL





Installation must be performed by a qualified electrician.

Disconnect and lock out power to the primary circuit before installing these current transducers (CTs).

- Connect the transducer output leads to the meter inputs. The white wire is the X1 lead.
- Depress the tabs on one end of the current transducer to open it and slip it over the primary leads. Note labeling on product indicating "source side."
- Check the core ends on both sections of the CT to assure there is no rust or debris in the closure areas.
- Close and latch the CT, and mount it securely.
- Reconnect power to the panel.

Optional mounting kit available. See Veris AH06.

## PRODUCT IDENTIFICATION

Model/Amps	Output Type
H681	 - 
Small:	1V = 0-1VAC
0-100 = 100A	0.3V = 0-0.333VAC
0-200 = 200A	
0-300 = 300A	
Medium:	
1-400 = 400A	
1-600 = 600A	
1-800 = 800A	
Large:	
2-800 = 800A	
2-1200 = 1200A	
2-1600 = 1600A	
2-2000 = 2000A	
2-2400 = 2400A	

## OPERATION

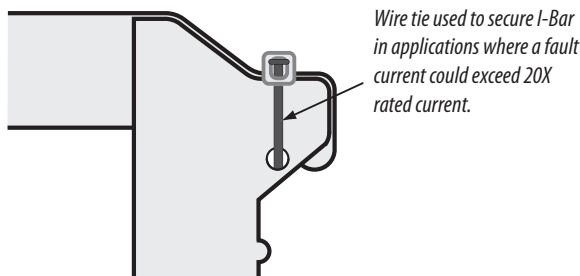
The H681x-V series of 1 volt and 0.333 volt split-core current transducers provide secondary AC voltage proportional to the primary (sensed) current. For use with power meters, data loggers, chart recorders, and other instruments, the H681x-V series CTs provide a cost-effective means to transform electrical service amperages to a voltage compatible with monitoring equipment.

These products provide basic insulation to 600 VAC between the sensed conductor and the output leads. For reinforced applications, the sensed conductor must be provided with appropriate insulation. Reinforced insulation is provided for applications to 300 VAC between the sensed conductor and the output leads.

## NOTES

Accuracy is specified with the primary conductor(s) centered in the CT window.

In any application where fault currents can exceed 20 times rated current of CT, wire ties or similar fasteners should be used to secure the I-Bar to the CT housing. Wire ties should be used on each side of each CT (see below).



Max. voltage without additional insulation: 600VAC

Do not apply current transducers to circuits having a phase-to-phase voltage greater than the stated maximum voltage unless adequate additional insulation is applied between the primary conductor and the current transducers. Veris assumes no responsibility for damage of equipment or personal injury caused by transducers operated on circuits above their published ratings.

## DIMENSIONS

### H6810 100/300 Amp

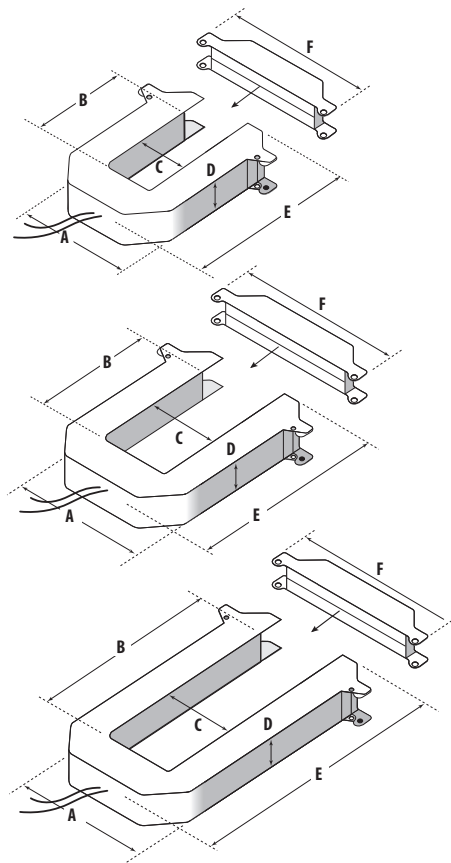
A = 3.8"	(95 mm)
B = 1.5"	(38 mm)
C = 1.3"	(32 mm)
D = 1.1"	(29 mm)
E = 3.9"	(107 mm)
F = 4.8"	(121 mm)

### H6811 400/800 Amp

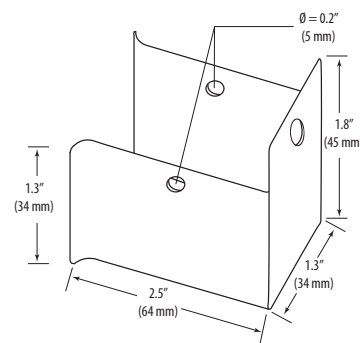
A = 4.9"	(124 mm)
B = 2.9"	(73 mm)
C = 2.5"	(62 mm)
D = 1.1"	(29 mm)
E = 5.3"	(141 mm)
F = 5.9"	(150 mm)

### H6812 800/1600/2400 Amp

A = 4.9"	(124 mm)
B = 5.5"	(140 mm)
C = 2.5"	(62 mm)
D = 1.1"	(29 mm)
E = 8.1"	(207 mm)
F = 5.9"	(150 mm)



### AH06 Mounting Bracket Dimensions (optional accessory)



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