

# H681X-V SERIES

Medium Current Ranges



H681x-V

The H681x-V Series of current transducers provide a standard voltage output for use with data loggers, chart recorders, and power monitoring equipment. H681x CTs are split-core and have 0 to 0.333 Vac and 1 Vac output options.

## High accuracy

±1% from 10% to 100% of rated current

## UL Recognized

UL Recognized

## 1 V or 0.333 V

1 V or 0.333 V output versions available

### SPECIFICATIONS

#### INPUTS

Frequency Range	50/60 Hz
Leads	6 ft (1.8 m) 20 ft (6 m)

#### ACCURACY

Accuracy	±1% of reading from 10% to 100% of rated current
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#### OUTPUTS

Output at Rated Current	0.333 or 1 Vac
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#### MECHANICAL

Insulation	600 Vac (basic)
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#### ENVIRONMENTAL

Installation Category III	Pollution Degree 2
Operating Temp Range	2400A models only: -15 to 50 °C (5 to 122 °F); All other models: -15 to 60 °C (5 to 140 °F)
Storage Temp Range	-40 to 70 °C (-40 to 158 °F)
Humidity Range	0 to 95% non-condensing

#### WARRANTY

Limited Warranty	5 years
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#### AGENCY APPROVALS

Agency Approvals	UL61010-1 Recognized, EN61010 -1
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### APPLICATIONS

- Data logging
- Recording
- Power monitoring
- Energy management
- Alternative energy monitoring
- Cost allocation



\*The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details.

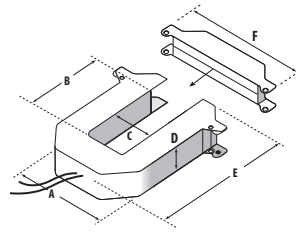


**ORDERING INFORMATION**

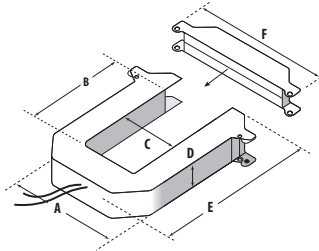
MODEL*	DESCRIPTION
H6810-100A-.3V (R20)	Split-core CT, Size 2, 100 A: 0.333 V
H6810-200A-.3V (R20)	Split-core CT, Size 2, 200 A: 0.333 V
H6810-300A-.3V (R20)	Split-core CT, Size 2, 300 A: 0.333 V
H6811-400A-.3V (R20)	Split-core CT, Size 3, 400 A: 0.333 V
H6811-600A-.3V (R20)	Split-core CT, Size 3, 600 A: 0.333 V
H6811-800A-.3V (R20)	Split-core CT, Size 3, 800 A: 0.333 V
H6812-800A-.3V (R20)	Split-core CT, Size 4, 800 A: 0.333 V
H6812-1000A-.3V (R20)	Split-core CT, Size 4, 1000 A: 0.333 V
H6812-1200A-.3V (R20)	Split-core CT, Size 4, 1200 A: 0.333 V
H6812-1600A-.3V (R20)	Split-core CT, Size 4, 1600 A: 0.333 V
H6812-2000A-.3V (R20)	Split-core CT, Size 4, 2000 A: 0.333 V
H6812-2400A-.3V (R20)	Split-core CT, Size 4, 2400 A: 0.333 V
H6810-100A-1V	Split-core CT, Size 2, 100 A: 1 V
H6810-200A-1V	Split-core CT, Size 2, 200 A: 1 V
H6810-300A-1V	Split-core CT, Size 2, 300 A: 1 V
H6811-400A-1V	Split-core CT, Size 3, 400 A: 1 V
H6811-600A-1V	Split-core CT, Size 3, 600 A: 1 V
H6811-800A-1V	Split-core CT, Size 3, 800 A: 1 V
H6812-800A-1V	Split-core CT, Size 4, 800 A: 1 V
H6812-1000A-1V	Split-core CT, Size 4, 1000 A: 1 V
H6812-1200A-1V	Split-core CT, Size 4, 1200 A: 1 V
H6812-1600A-1V	Split-core CT, Size 4, 1600 A: 1 V
H6812-2000A-1V	Split-core CT, Size 4, 2000 A: 1 V
H6812-2400A-1V	Split-core CT, Size 4, 2400 A: 1 V

\*Models ending with R20 have 20 ft (6 m) leads. Example: H6810-100A-.3VR20.

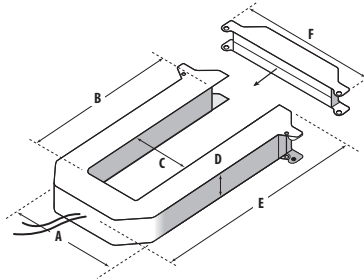
**DIMENSIONAL DRAWINGS**



**H6810  
SMALL (SIZE 2)  
100/300 Amp**  
 A = 3.8" (96 mm)  
 B = 1.2" (30 mm)  
 C = 1.3" (31 mm)  
 D = 1.2" (30 mm)  
 E = 4.0" (100 mm)  
 F = 4.8" (121 mm)



**H6811  
MEDIUM (SIZE 3)  
400/800 Amp**  
 A = 4.9" (125 mm)  
 B = 2.9" (73 mm)  
 C = 2.5" (62 mm)  
 D = 1.2" (30 mm)  
 E = 5.2" (132 mm)  
 F = 6.0" (151 mm)



**H6812  
LARGE (SIZE 4)  
800/1600/2400 Amp**  
 A = 4.9" (125 mm)  
 B = 5.5" (139 mm)  
 C = 2.5" (62 mm)  
 D = 1.2" (30 mm)  
 E = 7.9" (201 mm)  
 F = 6.0" (151 mm)

**WIRING EXAMPLE**

