

H681X-V SERIES

Medium Current Ranges



High accuracy

±1% from 10% to 100% of rated current

UL Recognized

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1 V or 0.333 V

1 V or 0.333 V output versions available

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.

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



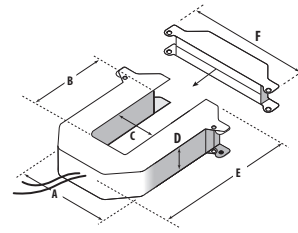
*The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details.

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

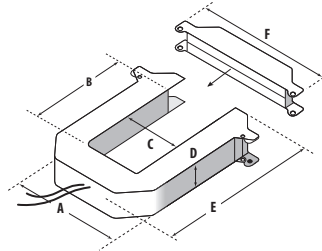
*Models ending with R20 have 20 ft (6 m) leads. Example: H6810-100A-.3VR20.

DIMENSIONAL DRAWINGS



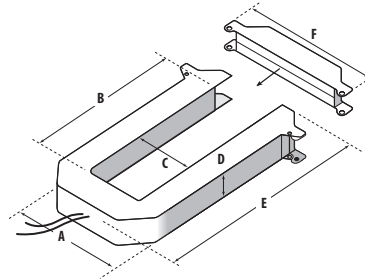
**H6810
SMALL (SIZE 2)
100/300 Amp**

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

