

Polaris 2000

3-Phase kWh Meter



Smart for Greenlife!

Advantages

- Foolproof system. DAE meter will be warning if the CTs are installed in the wrong phases
- Polaris meters are not direction sensitive. It does not matter if the contractors install the CT with wrong direction of current. DAE meters can detect it and compensate it
- DAE's CT is exactly the same and exchangeable among all the meters including Polaris 1000, 1500, 2000, 2500, 3000 kWh meters and SMB350 multi-circuit, multi-function meters
- 5A CT is available to measure the current of original CT in electrical panel. This will significantly reduce cost for customers
- With optional kW function
- High resolution, Kt = 1Wh (1000 pulses per kWh)
- Very compact current sensors (CTs) and the accuracy will not be affected when the CTs are mounted up to 2000 feet away from the meter
- Very easy installation (not necessary to drill a hole and open the whole cover of the meter)
- Parameters reading with LED display, very clear even in not-well lighted area

Features

- Revenue-grade accuracy
- Non-volatile Memory, the stored data is maintained through power outages
- Parallel up to three sets of CTs for cumulative reading
- Meter can be used in the following configurations:
 - 3-Phase, 3-Wire
 - 3-Phase, 4-Wire
- Demand optional (15 minute interval standard, 30 minute or 60 minute intervals available)
- UL/CUL Listed, California CTEP approved for use with solid-core CTs.
- Certified by independent test lab to exceed ANSI C12.1 national accuracy standards.

Current Sensors (CTs)



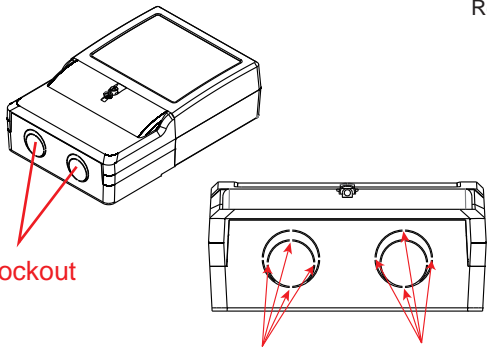

Solid-core



Split-core


Note: Please see CT's datasheet

Terminal Cover

Regular	Special
 <p>Knockout</p> <p>Cut for 1/2" knockout Cut for 3/4" knockout</p> <p>The voltage and CT wires will come from the knockout of the meter bottom.</p>	 <p>The voltage and CT wires will come from the back of the meter.</p>

Note: Please specify if special terminal cover is needed when ordering

Specifications

Technical and Physical			
Frequency	50 or 60 Hz	Operating Temperature	-20~50°C (-4~122°F)
Working Voltage	Derived from voltage input	Relative Humidity	0~95% non-condensing
Power Consumption	7VA	Safety	
Measured Parameters	kWh, kW (default) demand (optional)		
Accuracy ¹	0.5% from 1% to 100% of rated load		
Dimensions	W 5" x H 7.42" x D 2.24" wall-mount (regular terminal cover) W 5" x H 6.50" x D 2.24" wall-mount (special terminal cover)		

¹ Based on DAE solid-core CT @ PF=1

Ordering Code

Configurations	KIT Ordering Code	Amp	KIT Includes	Polaris Model NO.	CT Model NO.
480V 3- Phase, 3W	P202-005 KIT	5A	1 meter + 2 split-core CTs	P202-005	CT-5S
	P202-200 KIT	200A		P202-200	CT-200S or CT-200SB
	P202-400 KIT	400A		P202-400	CT-400S
	P202-600 KIT	600A		P202-600	CT-600S
	P202-005-S KIT	5A	1 meter + 2 solid-core CTs	P202-005	CT-5D3
	P202-200-S KIT	200A		P202-200	CT-200D3
208~240V 3- Phase, 3W	P203-005 KIT	5A	1 meter + 2 split-core CTs	P203-005	CT-5S
	P203-200 KIT	200A		P203-200	CT-200S or CT-200SB
	P203-400 KIT	400A		P203-400	CT-400S
	P203-600 KIT	600A		P203-600	CT-600S
	P203-005-S KIT	5A	1 meter + 2 solid-core CTs	P203-005	CT-5D3
	P203-200-S KIT	200A		P203-200	CT-200D3
120/208V 3- Phase, 4W	P204-005 KIT	5A	1 meter + 3 split-core CTs	P204-005	CT-5S
	P204-200 KIT	200A		P204-200	CT-200S or CT-200SB
	P204-400 KIT	400A		P204-400	CT-400S
	P204-600 KIT	600A		P204-600	CT-600S
	P204-005-S KIT	5A	1 meter + 3 solid-core CTs	P204-005	CT-5D3
	P204-200-S KIT	200A		P204-200	CT-200D3
240/416V 3- Phase, 4W	P205-005 KIT	5A	1 meter + 3 split-core CTs	P205-005	CT-5S
	P205-200 KIT	200A		P205-200	CT-200S or CT-200SB
	P205-400 KIT	400A		P205-400	CT-400S
	P205-600 KIT	600A		P205-600	CT-600S
	P205-005-S KIT	5A	1 meter + 3 solid-core CTs	P205-005	CT-5D3
	P205-200-S KIT	200A		P205-200	CT-200D3
277/480V 3- Phase, 4W	P206-005 KIT	5A	1 meter + 3 split-core CTs	P206-005	CT-5S
	P206-200 KIT	200A		P206-200	CT-200S or CT-200SB
	P206-400 KIT	400A		P206-400	CT-400S
	P206-600 KIT	600A		P206-600	CT-600S
	P206-005-S KIT	5A	1 meter + 3 solid-core CTs	P206-005	CT-5D3
	P206-200-S KIT	200A		P206-200	CT-200D3

※ For demand function option add suffix "D" to the ordering code.
e.g. : P206-200D KIT