

E330 FOCUS AX Polyphase

Economical and Reliable Option for Light Commercial Applications

The FOCUS® AX Polyphase meter provides a cost-efficient alternative for light commercial metering applications that do not require all of the functionality of the S4e meter. As an addition to the FOCUS family of meters, the AX Polyphase brings the same proven solid-state performance utilities have come to expect from FOCUS meters, in an economical and AMI-ready platform for commercial and industrial applications.

A single circuit board design, mounted at the front of the meter allows room for modular AMI communications or a KYZ output board. Highly accurate load performance and the use of field-proven Digital Multiplication Measurement Technique ensure reliability and dependability during the entire life of the meter. The FOCUS AX Polyphase meter is available for both self-contained and transformer-rated meter forms and includes the ASIC, non-volatile memory, selectable metrics, flexible display functionality, an optional KYZ output, configuration port, and a customer program option.

The FOCUS AX Polyphase meter contains a 120V to 277V auto-ranging power supply that is suitable for both 277/480V, 4W, WYE and 240/480V 4-wire Delta services. The robust design of the FOCUS AX meter exceeds the ANSI 6KV surge requirements and provides 10KV of surge protection.

With customer satisfaction as our top priority, we are committed to providing the best metering solution in terms of capability, technology and affordability. By uniting our experience and technology with that of our strategic allies and development partners, we provide metering solutions that cover the range of utilities' light commercial and industrial need.



Key Benefits

- Digital Multiplication Measurement technique
- Non-volatile memory
- Designed for a 20+ year life
- Meets or exceeds industry and ANSI standards
- Uses ANSI protocol (between meter and advanced metering device)
- 6 digit LCD and 3 Alpha ID
- Selectable meter multiplier
- Event log of 500+ entries
- 77 kb of load profile memory, 1–8 channels
- Advanced second generation over-the-air-flashable firmware

Specifications

General Specifications	Active Energy “kWh-kW” meter	
	Digital Multiplication Measurement Technique	
	Non-Volatile Memory	
	Designed for 20+ years life	
	Meets ANSI standards for performance	
	Utilizes ANSI protocol (between meter and AMI device)	
	9-Digit LCD	
	Display scroll sequence programmable (factory or end user)	
	Configuration Port – cover does not have to be removed or optional ANSI C12.18 optical port available	
Operating Temperature	-40C to +85C under cover	
Nominal Voltage	120–277V Auto Ranging Power Supply	
Operating Voltage	80% to 120% of Vn	
Frequency	60Hz +/- 5%	
Humidity	5% to 95% relative humidity, non condensing	
Starting Load (Watts)	Class 20	0.005 Amp (0.6W)
	Class 200	0.050 Amp (6W)
	Class 320	0.080 Amp (9.6W)
Voltage Burden	≤ 1.8W Max	
Load Performance Accuracy	Accuracy Class 0.2%	
	Exception: Form 36S 0.5%	
Available Forms	Self-Contained	12S, 12SE, 16S, 16SE, 25S, 25SE
	Transformer Rated	9S, 36S, 45S
Display Options	Energy Metrics: +kWh, -kWh, Net kWh, and added kWh (Security)	
	Metric Energy Display Format – 4x1, 4x10, 5x1, 5x10, 6x1 or 6x10	
	Time of Use and Demand Billing	
AMI Platform	Modular	
Selectable Meter Multiplier	Up to 4096 as result of PT ratio • CT ratio	
Applicable Standards	ANSI C12.1 for electric meters	
	ANSI C12.10 for physical aspects of watt hour meters	
	ANSI C12.18 Protocol specifications for ANSI Type 2 Optical Port	
	ANSI C12.19 Utility Industry End Device Data Tables	
	ANSI C12.20 for electricity meters, 0.2 and 0.5 accuracy classes	
	CAN3-C17-M84 Canadian specifications for approval of type of electricity meters	

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