



**Residential:**  
**E331 FOCUS AXe**  
**E351 AXe-SD**



*Assured Future-Ready, Advanced Metering Performance*

## Overview

The FOCUS® platform for advanced metering and smart grid applications is designed to enhance your sensor ecosystem with industry-leading reliability and innovative features. Expanding on Landis+Gyr's proven and industry leading AX solution, the FOCUS AXe provides enhanced security with tamper detection features, more power and memory and reliable functionality for the utmost in performance today—and the future.

With features like dual demand and reactive, the FOCUS AXe can accommodate next generation applications (pre-pay, power quality, tamper detection, etc.) to enhance the value of your meter sensor eco system.

The E351 FOCUS AXe-SD incorporates a 200A, motor driven, cam action disconnect/connect switch under the meter cover. This advanced, market-leading switch, coupled with the field-proven reliability of the E351 AXe-SD, delivers Landis+Gyr's third-generation design answer to today's evolving utility requirements.

## FEATURES & BENEFITS:

*Why Landis+Gyr makes a difference.*

- Two, simultaneous demands kWh and kVA or kVAR
- Detect meter removal/insertion from meter socket
- Real time rate input (optional)
- Power quality data (sag/swell)
- Most advanced cam-driven switch design to withstand 10K cycles at full rated current
- Switch continues operation even under low voltage conditions
- Expanded non-volatile memory
- Magnetic/DC presence detection (based on leading current)
- Optical port lockout/open
- Supports two methods of calculating kVA/ kVAR covering Q1-Q4 quadrants
- Enhanced power supply
- Surpasses ANSI requirements for surge protection (10KV) and meter accuracy
- Advanced over-the-air-flashable firmware upgrades avoids loss of billing or configuration data
- Motor-cam driven service disconnect integrated into meter base
- 8 channels of load profile
- Pre-pay ready

## Product Specifications: E331 FOCUS AXe and E351 AXe-SD

### Specifications

General Specifications	Active Energy “kWh-kW” meter and Reactive Energy “kVA or kVAR”	
	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	120V or 240V	
Operating Voltage	80% to 115% of Vn	
Frequency	60Hz +/- 5%	
Humidity	5% to 95% relative humidity, non condensing	
Starting Load (Watts)	Class 20	0.005 Amp (0.6W)
	Class 100	0.030 Amp (3.6W)
	Class 200	0.050 Amp (12W)
	Class 320	0.080 Amp (19.2W)
	Class 480	0.120 Amp (28.8W)
Voltage Burden	< 1.9W Max	
Load Performance Accuracy	Accuracy Class 0.2% (reactive energy 0.5%)	
Available Forms	Self-Contained	1S, 2S, 2SE (320A), 12S, 25S
	Transformer Rated	3S, 4S
	K-Base	2K (480A)
Display Options	Energy Metrics: +kWh, -kWh, Net kWh, added kWh (Security), KVAh or kVARh	
	Metric Energy Display Format – 4x1, 4x10, 5x1, 5x10, 6x1 or 6x10	
	Time of use, demand billing and two demands (kW and kVA or kVAR)	
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	
Service Disconnect	10,000 operations at full rated current (disconnect/connect)	
	Available forms: 1S, 2S, 12S, 25S	
International Certifications	Measurement Canada (MC) AE-1967	

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