



Residential: FOCUS AXe Metering Platform

E331 FOCUS AXe/AXRe/RXRe
E351 FOCUS AXe/AXRe/RXRe-SD



Advanced Metering Performance and Safety

Overview

The FOCUS® AXe platform for advanced electric metering and smart grid applications is designed to enhance your sensor ecosystem with proven reliability and innovative features. Expanding on Landis+Gyr's industry-leading FOCUS AX platform, the FOCUS AXe adds increased memory and processing power to enable greater measurement, power quality, and data profiling capabilities. Furthermore, the FOCUS AXe incorporates a sensor to detect meter removal and insertion as a possible indication of tamper as well as increased power supply capacity to support more advanced AMI modules for expanded communications abilities.

Reliable disconnect service - for any type of residential installation

The E351 FOCUS AXe-SD provides reliable remote service disconnect and reconnect with a motor driven, cam action switch under the meter cover. Available in both CL200 and newly released CL320 UL certified models, the switches operate safely for thousands of iterations at full rated current. Along with direct switch actuation, the AXe-SD supports multiple load limiting features that initiate a disconnect when a specified instantaneous power or average demand level is reached.

The AXe-SD Form 2SE delivers precedent setting remote service disconnect capability to larger 320 amp installations, providing Landis+Gyr's unique solution to evolving utility requirements.

KEY FEATURES:

- Active Energy "kWh" meter: Optional
Reactive Energy "kVAh or kVARh"
- Two, simultaneous demands: kW, kVA,
and kVAR
- Motor driven, cam action service disconnect
switches: 200 amp and NEW 320 amp
- All meters exceed ANSI requirements for
meter accuracy (0.2%) and surge protection (10KV)
- Power Quality Metrics: Sag, Swell and
Total Harmonic Distortion
- Up to 8 channels of Load Profile standard
- Independent 2nd 8-channel Load Profile
Recorder (optional)
- Every S Base meter form is UL listed
- Meter removal and insertion detection to
indicate possible tamper
- Magnetic and DC presence detection
- Over-the-air firmware and program updates¹
- Dedicated Voltage Log
- Configurable optical port lockout¹

Product Specifications: Focus AXe Residential Electric Metering Platform

SPECIFICATIONS

General Specifications	ALL models support demand billing and are time-of-use (TOU) Ready – Battery Optional	
	Third Generation processor runs 2x as fast as FOCUS AX	
	2x RAM, 2x ROM, and 4x the Non-Volatile Memory as FOCUS AX	
	Designed for 20+ years life	
	Utilizes ANSI protocol (for optical port and between meter and AMI device)	
	9-Digit LCD	
	Display scroll sequence programmable (factory or end user)	
	Configuration Port – standard plastic: Optional ANSI C12.18 optical	
Operating Temperature	-40C to +85C under cover	
Nominal Voltage	120V or 240V	
Operating Voltage	80% to 115% of Nominal Voltage	
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	
	TOU, demand billing and two demands (selectable kW, kVA or kVAR)	
Communications ¹	Modular design - with or without AMI communication	
Selectable Meter Multiplier	Up to 4096 as result of PT ratio x 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	200A disconnect - 10,000 operations at full rated current (disconnect/connect) Available forms: 1S, 2S, 12S, 25S	
	320A disconnect - 3,000 operations at full rated current (disconnect/connect) Available forms: 2SE	
International Certifications	Measurement Canada (MC) AE-1967 <i>Form 2SE-SD pending MC approval</i>	

1. Select features rely on a communications module. Meters that are AMI-enabled with communications are clearly labeled on meter face above digital display.