



The incremental AMI, Zero Infrastructure, Off-cycle read, Remote Disconnect, Prepay, Billing integration meter









LINK Xa

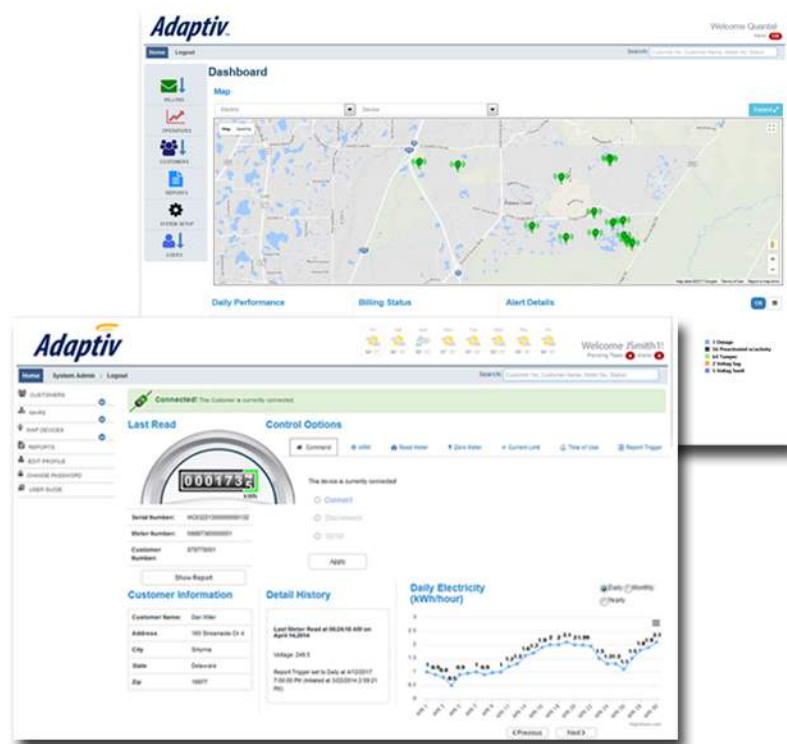
Nighthawk presents the LINK Xa meter, an innovative single phase meter, which unites the strength of the Aclara I-210+c meter with leading-edge communications technology. The I-210+c is one of the most popular single phase meters among utilities for residential meter installations, with over 10 million units shipped to date. The feature rich LINK Xa is enabled by Nighthawk's scalable Adaptiv™ platform, bringing affordable, flexible AMI to the market.



Nighthawk LINK Xa in Aclara I-210+c meter

Features:

-  Meets or exceeds ANSI C12.1, C12.10, C12.20, C37.90.1
-  Low starting watts; captures energy consumption at levels typically not registered by electromechanical meters
-  Typical accuracy: within +/- 0.2%
-  Patented tamper algorithm to detect meter inversion
-  Optionally equipped with a fully-rated 200A service switch for:
 -  Demand side management
 -  Remote prepayment systems
 -  Controlled outage restoration



This solid-state metering solution is available with or without a load disconnect option. Regardless of your business drivers this meter is ready to support advanced billing, prepay programs, and small commercial demand customers while extracting maximum value from existing investments.

The LINK Xa allows you to expand your AMI system strategically as budgets allow, while adding functionality and value to the utility. Its full two-way communication and self-healing mesh capabilities offer built-in redundancy. The LINK Xa is Aclara's Smart Grid meter product offering demand, load profile and TOU, combined with Adaptiv's advanced outage and voltage monitoring, you are getting unprecedented value from your AMI system.

Technical Data

Basic Functions

- Single phase demand meter
- Energy management, 4 quantities
- Demand, block or rolling demand
- Fundamental plus harmonic measurements
- Bi-directional energy measurements
- Load Profile recording
- Time of use billing measures
- Four energy options (delivered, received, delivered+received, delivered-received)
- Tamper detect capability
- Broad communication module options
- Network applications models available for 120 or 240 volt CL 20, CL 100, 200, CL 320 applications.
- 50 or 60 Hz operation

Cover Options

- Polycarbonate cover with molded sunshield
- Plain cover without RESET or “D” ring
- With Optocom “D” ring
- With RESET latch and “D” ring

LCD Display

- 6 large characters to display the main programmed metering quantities

Applicable Standards

- Performance meets or exceeds industry standards
- ANSI C12.19
- ANSI C12.1
- ANSI C12.10
- ANSI C12.20
- ANSI C37.90.1
- UL 2735

Optional Functions

- Factory integrated Service Switch Capability

Accuracy

- Typical accuracy: within +/- 0.2%
- Starting watts: 12W @ 240V, 6W @ 120V
- Typical watt loss: 0.7 Watts

Rating

- Voltage: 120V –240V
- Current: Class 100, Class 200, Class 320, Class 20
- Frequency: 50 or 60 Hz

Operation Range

- Voltage: +/- 20%
- Operates over a broad temperature range (-40C through +85C under the cover)

Available Models

- ANSI Form 1S, 2S, 3S, 4S, 12S, 25S
CL20, CL100, CL200, CL320

Weights and Dimensions

- Meter Dimensions
Width: 6.49 in. Max
Depth: 5.25 in. Max
- Meters with service disconnect
Individual meter 2.0 - 2.4 lbs
4 meter pack 9.0 - 10.6 lbs
Pallet (120 meters) 285 - 340 lbs
- Meters without service disconnect
Individual meter 1.3 - 1.7 lbs
4 meter pack 6.2 - 7.8 lbs
Pallet (120 meters) 200 - 255 lbs

Aclara I-210+c Product Availability:

Aclara	I 210+C						
Meter Form	Class	Cell w/ Disconnect	Cell w/o Disconnect	Cell + Mesh w/ Disconnect	Cell + Mesh w/o Disconnect	Mesh w/ Disconnect	Mesh w/o Disconnect
1S	200	RDA981-00D	RDA981-00N	RDA981-0MD	RDA981-0MN	RDA2M1-0MD	RDA2M1-0MN
2S	200	RDA980-00D	RDA980-00N	RDA980-0MD	RDA980-0MN	RDA2M0-0MD	RDA2M0-0MN
2S	320	N/A	RDA98A-00N	N/A	RDA98A-0MN	N/A	RDA2MA-0MN
12S	200	RDA982-00D	RDA982-00N	RDA982-0MD	RDA982-0MN	RDA2M2-0MD	RDA2M2-0MN