

Revenue class metering for commercial and industrial applications with true power quality monitoring









LINK Pa

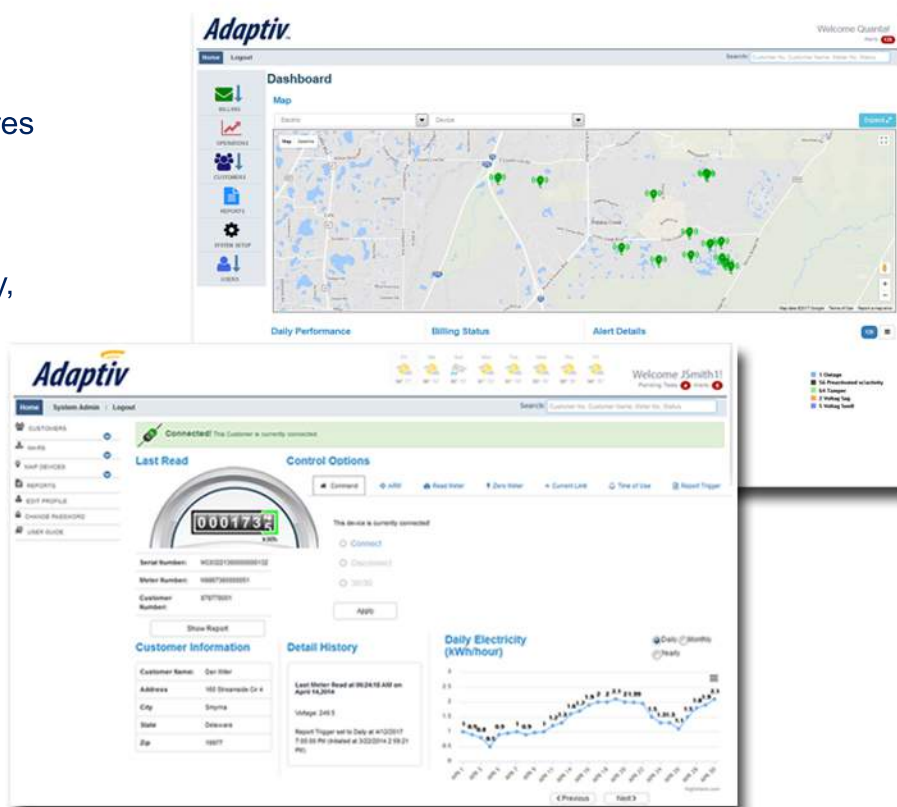
Nighthawk presents the LINK Pa meter designed for revenue class metering in commercial and industrial applications and more. It provides real time instrumentation, true power quality monitoring and real cost of service measurements. The Aclara kV2c meter family is one of the most widely accepted ANSI commercial and industrial meters with over 2 million meters deployed. This revenue-grade meter design is based on Aclara's innovative technology which provides high accuracy and reliability. The feature rich LINK Pa meter is enabled by Nighthawk's scalable Adaptiv platform bringing affordable AMI to the market.



Nighthawk LINK Pa in Aclara kV2c® meter

Features:

-  4-quadrant industrial or substation measures
-  Rolling, exponential, coincident, simple, demand and bi-directional meter functions
-  Provides 4-channel 64kb logging of energy, apparent power and reactive power
-  Complete range of S-base meter forms
-  Per phase AC instrumentation (amps, volts, and frequency)
-  ANSI C12.20 Class 0.2 ratings
-  Site and tamper monitoring
-  Wiring analyzer



The LINK Pa allows you to expand your AMI system strategically as budgets allow while still adding functionality and value to the utility. Nighthawk's Adaptiv™ adds full two-way communication. Our self-healing mesh capabilities offer built in redundancy improving read reliability. With Adaptiv's advanced outage and voltage monitoring, you are getting unprecedented value from your AMI system.

Technical Data

Basic Functions

- Simple Demand Meter
- Rolling Demand Meter
- Exponential Demand Meter
- Coincident Demand Meter
- Bi-directional Meter
- Site and Tamper Monitoring
- Communicating Meter
- Wiring Analyzer

Multifunction Meter

- Revenue Meter
- AC Instrumentation
- Communications

Ratings

- Voltage: 120 to 480 volts, kV2c+ options:
- 57-1230 volts
- 600 volts
- Current: Class 20, Class 200, Class 320
- Frequency: 50 or 60 Hz

Measurement Switches

- K - kVA – Power Factor, kvar and kVA measures
- Q - Power Quality Measures
- E - 500 Event log
- R - Basic Recording (4-channel, 64 KB)
- T - Time-of-Use (TOU)
- V - Fast Voltage Event Monitor and Log (sag and swell, 1 to 65k cycles)

Accuracy

- $\pm 0.2\%$ at standard test points for energy and demand (typical)
- Meets ANSI C12.20 Class 0.2

Operating Range

- Voltage: 120-480V (+10/ -20%)
With Enhanced Power Supply:
120-480V (+10/ -20%)
- Frequency: rated (5%)
- Temperature -40°C to 85 C°

Available Forms:

- S-base CL20: 3S, 4S, 9S, 36S, 45S, 56S
- CL200: 1S, 2S, 12S, 16S
- CL320: 2S, 12S, 16S

Mechanical Design

- Durable one piece LEXAN™ cover
- Rugged single action reset lever

Display

- Alphanumeric display
- Blinking block disk analog
- Arrows show energy flow direction and lagging or leading Quadergy.
- Separate indicator for each phase voltage

Disk Analog Scroll

- Boxes represent 60%, 70%, 80%, 90% positions
- At 100% all boxes turn off

The kV2c delivers:

Energy

- Accumulated kWh Delivered
- Accumulated kWh Received
- Accumulated Net kVARh (Lagging – Leading)
- Accumulated Apparent kVAh

Power

- Max kW Delivered
- Max kW Received
- Max Net kVAR (Lagging – Leading)
- Max Apparent kVA

Interval Data

- kWh Delivered
- kWh Received
- Net kVARh (Lagging – Leading)
- Apparent kVAh

Types of recording

- Load Profile
- Data:
 - Maximum value in interval
 - Minimum value in interval
 - End of interval value

Test mode

- Test switch under cover
- Watthour accumulation
- Instantaneous demand
- Test pulses available from OPTOCOM port except when communicating

Aclara kV2c Product Availability:

Meter form	Class	Cell	Cell + Mesh	Mesh
3S	20	CIK983-00N	CIK983-0MN	CIK2M3-0MN
4S	20	CIK984-00N	CIK984-0MN	CIK2M4-0MN
9S	20	CIK989-00N	CIK989-0MN	CIK2M9-0MN
36S	20	CIK987-00N	CIK987-0MN	CIK2M7-0MN
45S	20	CIK985-00N	CIK985-0MN	CIK2M5-0MN
56S	20	CIK988-00N	CIK988-0MN	CIK2M8-0MN

Meter form	Class	Cell	Cell + Mesh	Mesh
1S	200	CIK981-00N	CIK981-0MN	CIK2M1-0MN
2S	200	CIK980-00N	CIK980-0MN	CIK2M0-0MN
12S	200	CIK982-00N	CIK982-0MN	CIK2M2-0MN
16S	200	CIK986-00N	CIK986-0MN	CIK2M6-0MN
2S	320	CIK98A-00N	CIK98A-0MN	CIK2MA-0MN
12S	320	CIK98C-00N	CIK98C-0MN	CIK2MC-0MN
16S	320	CIK98G-00N	CIK98G-0MN	CIK2MG-0MN