

Acuity APEX 50

INTELLIGENT MONITORING FOR C&I AND SCHOOLS



TOTAL VISIBILITY. DEEP PERFORMANCE INSIGHTS. SEAMLESS INTEGRATION.

The Acuity Advanced Performance Expert (APEX) product line empowers solar, storage, and microgrid operators with unmatched visibility and control across every asset. Built for rapid deployment and long-term reliability, the best-in-class tools in Acuity APEX monitor, analyze, and command every device across your system in real time. Plus, like all products powered by the Aderis Acuity™ operating platform, you own your data... from day one.

FOR COMMERCIAL / INDUSTRIAL / SCHOOL SYSTEMS WITH UP TO 100 DEVICES OR 5MW

Monitor up to 100 devices

Real-time alarming and 1-minute archived data logging

Integrate Acuity with your systems via built-in APIs

MODBUS RTU and TCP/IP protocols (Surge Arrested)

AcuVIM II revenue grade metering, 5A CT compatible

5G cellular modem with customer-owned data

Customize to suit your exact requirements

Support public kiosk dashboard displays

THE ACUITY DIFFERENCE

Behind every APEX system is Aderis Acuity – a powerful, flexible software platform that puts you in full control. Unlike other systems that limit access or lock down your data, Acuity gives you total ownership from day one. Custom dashboards, no-code integrations, and unlimited user accounts make it easy to keep your entire team informed and connected.

The Aderis Acuity platform is fully customizable – both in software and hardware – to meet the unique telemetry, control, and integration requirements of your project. **Contact us today** to configure your ideal solution.

You get so much more with **Acuity APEX 50...**

FEATURES YOU'LL LOVE!

NOW YOU CAN MONITOR & CONTROL.

- Monitor up to 100 devices
- Lower operating costs with control for inverters & breakers with shunt trips and motor operators

YOU OWN YOUR DATA FROM DAY ONE!

- Easily backup your data
- Integrate with your existing systems

TOOLS YOU NEED TO SUCCEED.

- 24 hours of remote commissioning
- Unlimited user accounts

NEVER LOSE CONNECTION.

- Stay connected with a ruggedized cellular modem that supports both 5G and 4G LTE networks.
- Data is still collected and store forwarded during cellular outages.

TELEMETRY PACKAGE

The APEX 50 has a sensor suite that supports essential performance analysis and budgets for smaller installations.

SENSOR SUITE



POA Irradiance Sensors
IMT-Solar Silicon Reference Cell
BOM Temp. Corrected (Class A)



Back of Module Temperature Sensor
IMT-Solar Surface Temperature Sensor
PT-1000 (Class A)

NEED MORE?

Easily add digital sensors for the measurement of irradiance, air temperature, wind, precipitation, and soiling by visiting the Aderis ReStore today!

SUPPORT RESOURCES

INSTALLATION & COMMISSIONING

- Field Installation Guide
- EasyBus Sensor Connections

GET STARTED NOW, FOR FREE!

- Create your account in FOCUS.
- Configure your facility for Free.

LEARN HOW TO...

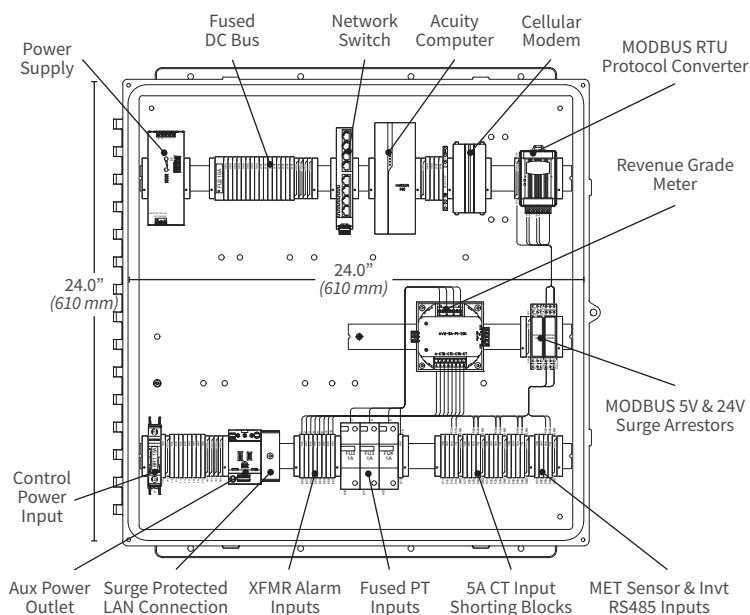
- Monitor your facility in Acuity.
- Manage your portfolio in FOCUS.



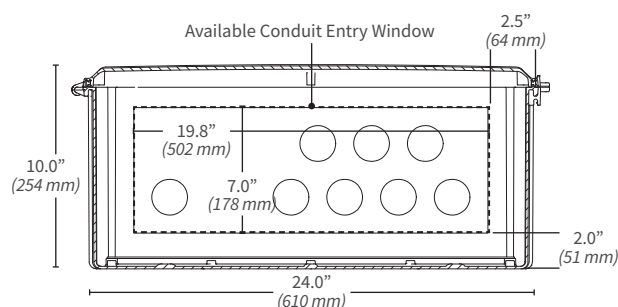
SCAN HERE to access all Acuity APEX Support Resources!

CONTROLS ENCLOSURE SCHEMATIC

FRONT VIEW - MAJOR COMPONENTS



BOTTOM VIEW - CONDUIT PLANNING



THE CONTROLS ENCLOSURE IS NOT PRE-DRILLED FOR ANY CONDUIT ENTRIES. Actual conduit size, qty, and locations are determined at the discretion of the installer.

All sensors use Aderis EasyBus™ pre-terminated connectors for simplified installation.



SCAN TO LEARN MORE.

- Faster installation
- Eliminates wiring errors
- Simplified ownership

CAPABILITIES

# of DEVICES	Up to 100
COMMS. PROTOCOLS	MODBUS RTU and TCP/IP (Surge Arrested)
DATA INTERVAL	Real-time Display & Alarms, 1-Minute Archiving
DATA SHARING	CSV via Email & SFTP, RESTful JSON API, OPC UA
METERING	Revenue Grade 0.2% Acc. AcuVIM II Up to 397V LN Fused PT Inputs, 5A CT Shorting Blocks PTs and CTs by Customer

TECHNICAL SPECIFICATIONS

UL RATING	UL 508a, TYPE 4X
ENCLOSURE SIZE & WEIGHT	24h x 24w x 10d in. (610 x 610 x 254 mm) 35 lbs (16 kg)
CONTROL POWER	1-Phs, 120 - 277V, 3A Max
OPERATING TEMP.	-25°C to 70°C