

VerifEye™ Series 7000

A new medical facility in Texas uses Series 7000 Meters to meet energy codes.

The Challenge

A new, 26,000 square foot medical facility in Texas is required to measure, monitor, record, and report energy consumption data and meet 2021 IECC requirements.

The Installation

The electrical engineer for this project designed the facility to comply with 2021 IECC. This meant the HVAC, interior and exterior lighting, plug loads, and moving conveyances (i.e. elevator) had to be separately metered as a load type to include 15- minute interval data logs, as well as data presentation requirements and 36 months of historical data for analysis.

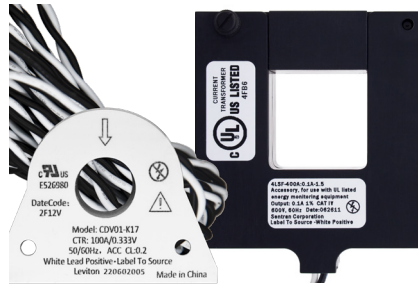
The Solution

Leviton provided one VerifEye Series 7000 Advanced Branch Circuit Monitor to accommodate up to 48 current transformers per board. As this project required five separate three phase end use load types fed from the main switchboard. A total of 15 Current Transformers (CTs) were used to capture each of these specific end use load types.

Space efficiency was achieved in this project using the compact Series 7000 Meter which easily fits into any tightly-spaced electrical room and references both high and low voltages.

Leviton CTs accurately meter one 20A lighting circuit to a 4,000A main switchboard offering the flexibility to meet any complicated design or layout.

Paired together, the Series 7000 Meters and CTs met energy code requirements and virtual metering capabilities.



Advanced submetering solutions for monitoring energy usage and meeting energy codes in healthcare applications.

The Ethernet-enabled data logger pushed the 15- minute time and date stamped data automatically to the cloud -based Leviton Building Manager Online (BMO).

VerifEye Series 7000 Meters

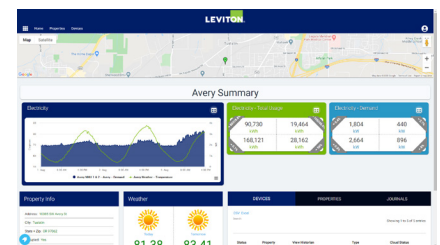
A cost-effective solution for electrical load management. The Series 7000 and 7100 platform is ideal for high density, branch circuit monitoring applications in both new construction and retrofit applications. Series 7000 and 7100 Meters can monitor 24 to 48 circuits depending on the meter, and supports all industry standard communications over RS485 and Ethernet, including Modbus RTU, Modbus TCP, BACnet MS/TP and BACnet IP for maximum flexibility.



Building Manager Online (BMO)

VerifEye™ BMO delivers quick-and-easy access to energy monitoring information for code compliance, executive reporting and tenant billing applications. BMO web-based software provides the data analytics tools necessary to get the most out of your energy management system.

Scalable and customizable for any application, BMO can be tailored to meet specific energy management needs.



Leviton offers spec-ready energy monitoring and management for new construction and healthcare applications for energy savings and code-compliant controls.