

● TITAN AUDIT

Clip. Connect. Know. Zero downtime.

Rapid-deployment energy metering with split-core CTs. No shutdown, no rewiring, no electrician — deploy it as a temporary audit tool or leave it as a permanent monitor.

Split-core CTs

Clamp around live cables in seconds — no disconnection, no arc flash risk

Dual power input

Sense voltage at the load, or plug into any socket for current-only logging

Temporary or permanent

Run a two-week audit, or leave it installed for continuous monitoring



01 The problem

AUDITS WITHOUT THE SHUTDOWN

Traditional energy audits are expensive and get delayed, because installing a meter means switching equipment off. Portable loggers cost thousands to buy or hundreds a week to rent.

They also need trained technicians: install, collect a few weeks of data, remove — and the building is blind again.

Titan Audit deploys as fast as a portable logger but stays as long as you need it: weeks, months or permanently. At a fraction of the cost, anyone on the facilities team can install it.

Mode 1 — full metering

Connect voltage sensing leads to the load and clamp the split-core CTs around the phase cables for the complete parameter set, harmonics included.

Mode 2 — current logger

Plug the meter into any socket for auxiliary power and clamp the CTs. It logs current, amperage profiles and on/off cycles for quick runtime audits.

Reports on site

Generate a branded, client-ready PDF audit report from the app — consumption summary, load profile, power factor trend, TOU and phase balance. No laptop, no cloud.

CO₂ on device

Configurable emission factors turn every deployment into a Scope 2 baseline for ESG reports, CSRD submissions and green building certification.

03 Who it is for

ESCOs and auditors

Deploy across sites at once; leave meters in place for M&V after retrofit.

Sustainability and ESG

Baseline a building's carbon footprint, or track Scope 2 continuously.

Facility managers

Find energy waste on any circuit without hiring a consultant.

Maintenance technicians

Seven days of pump, compressor and motor data before deciding to repair.

MEASUREMENT

Accuracy class (active)	Class 0.5S
Accuracy class (reactive)	Class 2.0
Voltage range	48–500 V AC
Current range	100 / 200 / 400 / 800 A
Frequency	50 / 60 Hz
Parameters	V, I, P, PF, f, kWh, kVARh, kVAh
Advanced metrics	Earth leakage, load hours, max demand, power cycles
Harmonics	Up to 31st, per phase
Phases	3P4W or single phase × 4
Dual source	DG generation calculations

COMMUNICATION

Internet	WiFi & Ethernet
Wired / local	RS485 (master or slave)
Protocols	Modbus RTU/TCP, MQTT

MECHANICAL

Mounting	DIN rail 35 mm (IEC/EN 60715)
Display	3 row
Dimensions	94 × 89 × 69 mm (4 modules)
Enclosure	Self-extinguishing UL94 V-0
IP rating	IP51 (front face)
Operating temp.	–25 °C to +55 °C

DATA & LOGGING

Load profile	Configurable 1–60 min
Configuration	Dashboard or phone app
TOU registers	Up to 4
Demand	Block / sliding window
Event log	U/V, O/V, over-current, power cycles, harmonics, runtime

STANDARDS

IEC 62052-11 · IEC 62053-21/22 · IEC 61869-2 · IEC 61010 · IEC 61000 EMC

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