

INDUSTRIAL FIELDBOOK

Power Monitoring & Metering

V1.1 · Evidence-backed industrial intelligence

FREE PREVIEW — PARTIAL COVERAGE. This document shows a deliberate subset of the full product so you can judge the method and the evidence chain. Counts shown as PARTIAL are not the full product counts.

17 manufacturers · 42 current product families · 281 family×attribute specifications · 283 source-linked evidence relationships · sources checked 2026-09-10

This brief is the orientation layer, not the product. The comparison tables, the specification matrix and the full evidence chain are in the accompanying workbook.

What is inside the full package

Sheet / file	What it gives you
FULL COMPARISON WORKBOOK	One row per product family across every evidenced attribute, with lifecycle status and coverage counts.
FAMILY SCREEN	The screening sheet: the attributes a buyer filters on first, one row per family.
SPEC MATRIX	Families against the well-covered attributes, side by side.
COMMERCIAL SPECS	Every commercially included specification in long form, with its evidence class and caveat.
EVIDENCE	All 283 evidence relationships: the normalized value, the exact supported claim as published, the source type and a clickable source URL.
ATTRIBUTE COVERAGE	How many families carry each attribute, so you can see how complete a field is before relying on it.
METHODOLOGY	Inclusion rules, exclusions, known gaps and limitations.
CSV / JSON EXPORT	The same commercial specification set in machine-readable form.

Highest-coverage attributes in this category

Attribute	Families populated	Coverage	Evidence rows
Lifecycle status	41 of 42	97.6%	41
Product type	18 of 42	42.9%	18
Ansi c12 20	15 of 42	35.7%	15
IEC 62053 22	11 of 42	26.2%	11
IEC 61000 4 30 class	10 of 42	23.8%	10
Revenue grade statement	8 of 42	19.0%	8
IEC 61000 4 30	7 of 42	16.7%	7
Waveform capture	7 of 42	16.7%	7
Transient detection	7 of 42	16.7%	7
Energy accuracy	7 of 42	16.7%	7
Individual harmonics	6 of 42	14.3%	6
IEC 61557 12	6 of 42	14.3%	6
En 50160	5 of 42	11.9%	6
Samples per cycle	6 of 42	14.3%	6

Coverage is stated deliberately. A category where an attribute is evidenced for a third of the families is reported that way rather than padded.

How the evidence works

Of 283 commercially included evidence rows, 239 are VERIFIED_DIRECT (the value is stated on the cited source) and 44 are DERIVED_DETERMINISTIC (the value follows mechanically from stated facts by a recorded rule). 0 further rows held in the build are excluded from the commercial view because they are analytic inferences, unresolved conflicts or status-unclear. All 283 published rows carry a source URL; 37 distinct public sources are cited.

Evidence class	Meaning
VERIFIED_DIRECT	The value appears on the cited manufacturer page, document or disclosure. The exact wording is reproduced in the evidence sheet.
DERIVED_DETERMINISTIC	The value follows from stated facts by a single recorded rule, with the rule shown on the row.
EXCLUDED	Analytic inference, unresolved conflict or status-unclear. Not published.
UNKNOWN / NOT ESTABLISHED	The sources reviewed did not establish the fact. Not a negative finding.

Worked evidence chains from this build

Attribute & value	Exact supported claim as published	Source
exact_family_name PowerLogic ION9000 / ION9000T	1/-2, the PowerLogic™ ION9000 is third-party certified ANSI C12.20 Class 0.1 and IEC 62053-22 Class 0.1S accurate, the	https://qubitsenergy.com/wp-content/uploads/2023/03/ION9000T-Technical-Data-Sheet-UPDATE
ansi_c12_20 ANSI C12.20 Class 0.1 - third-party certified	1/-2, the PowerLogic™ ION9000 is third-party certified ANSI C12.20 Class 0.1 and IEC 62053-22 Class 0.1S accurate, the	https://qubitsenergy.com/wp-content/uploads/2023/03/ION9000T-Technical-Data-Sheet-UPDATE
iec_62053_22 IEC 62053-22 Class 0.1S	1/-2, the PowerLogic™ ION9000 is third-party certified ANSI C12.20 Class 0.1 and IEC 62053-22 Class 0.1S accurate, the	https://qubitsenergy.com/wp-content/uploads/2023/03/ION9000T-Technical-Data-Sheet-UPDATE

How to use it

Start on FAMILY SCREEN to shortlist families against the attributes your project filters on. Use SPEC MATRIX to compare well-covered attributes side by side. Use COMMERCIAL SPECS for the complete long-form list and EVIDENCE for the exact wording behind any value. ATTRIBUTE COVERAGE tells you how complete each attribute is before you rely on it.

Limitations

An empty cell or the word UNKNOWN means the sources reviewed did not establish the fact. It does not mean the product lacks the capability, and it is not a negative finding. Missing data is left missing rather than filled by assumption.

Every evidence row carries the date its source was checked. The COVERAGE tab states the range of those dates. This is a dated snapshot, not a live feed.

It is not a price list, lead-time guide, availability feed or procurement recommendation. It does not establish engineering suitability for your application, approved-vendor status, warranty terms, service coverage, certificate scope beyond what the source states, or export eligibility. It does not rank suppliers.

This is the free preview. Coverage here is deliberately partial: it exposes a subset of families and a subset of attributes. The full workbook adds the complete family set, the full specification matrix, the complete evidence chain and the machine-readable exports.

This document is a dated research snapshot, not advice, a quotation, or a recommendation. Verify against the cited source before relying on any value.