



POWER METERING IP Platform

35 years of experience

MEET WITH THE PLATFORM

Designed to deliver precise energy measurement it is tailored to ensure compliancy with Class 0.2s standards for accurate billing. Its highly accurate analog front-end (AFE) reduces errors in power calculations, making it suitable for both single-phase (residential) and three-phase (industrial) applications.

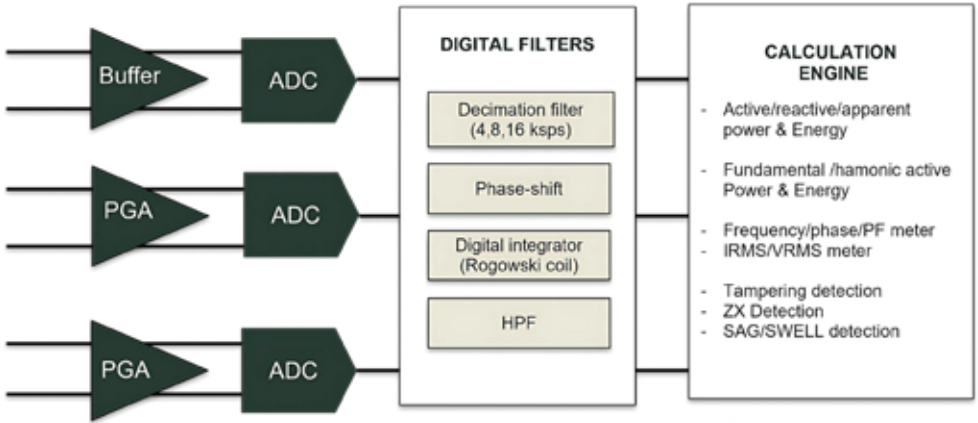
By supporting both configurations within a single IP, it simplifies design processes, accelerates development timelines, and enhances flexibility, allowing scalability across various power metering solutions while minimizing costs and complexity.

APPLICATIONS

- Single phase meter
- Tri-phase meter



One fits all



Main benefits

- Low-noise at low-frequency
- Low offset
- Very low gain error < 0.01% (for class 0,1)
- Integrated power computation algorithms
- Pin and BOM cost reduction
- Synchronized channels and phase shifting calibration

Key features

- 22-24 bit $\Delta\Sigma$ ADC
- Only 0.14mm² total IP footprint
- Built-in Power Energy Computer (PCE)
- Programmable datarate up to 32ksp/s
- Exceeds IEC 62053-22 Classes 0.2s requirements
- Chopper stabilized PGA
- Input DC blocking capacitor free