

## Phasor Measurement Unit - Synchrophasor

VIZIMAX's advanced Phasor Measurement Unit measures the magnitude, frequency and phasors, allowing for advanced power system monitoring, protection and control. VIZIMAX's PMU offers real-time access to power system key measurements for situational awareness, improving control actions and reducing uncertainties in the decision-making process.

As an essential element of the Wide Area Measurement System, VIZIMAX's PMU exceeds C37.118 requirements for both M and P class accuracy. In addition, the VIZIMAX PMU provides several options including industry standard protocols, GOOSE messaging and, time synchronization via PPS, IRIG-B, PTP1588 or internal GPS.

VIZIMAX's PMU is ideal for new or advanced RAS and Automation System projects for T&D Substations, Power Generation, Energy Storage, Interconnections, and DERs.

### Benefits

- **Fast, reliable and accurate** frequency, current, voltage, phasor, and ROCOF measurements exceeding C37.118 requirements for both M and P class
- **Reporting rate of up to 200/240 frames** per second allowing faster operations in P&C systems
- **Proactive process support:** Improves system operator situational awareness; monitors power angle/voltage/frequency; improves dynamic stability monitoring and analysis
- **Highly resilient and reliable at rejecting harmonics** and sub-harmonics resulting from series compensation; making it the ideal PMU solution for RAS applications, micro-grid interconnections, and islanding
- **Outstanding performance in stressed power systems** and Distributed Energy Resources
- **Advanced P&C and protocol conversion** applications with the powerful RightWON™ automation platform that supports C37.118
- **Compact form factor**

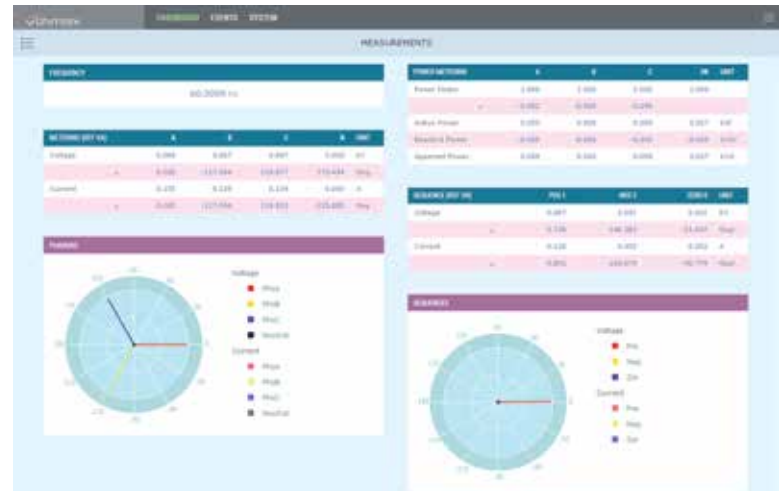
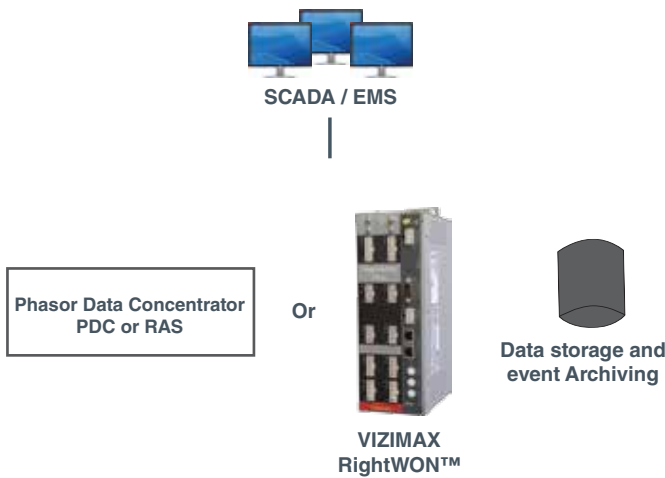
ADJUSTABLE REPORTING RATE  
C37.118, IEC61850-9-2, GOOSE  
FAST & RELIABLE ROCOF



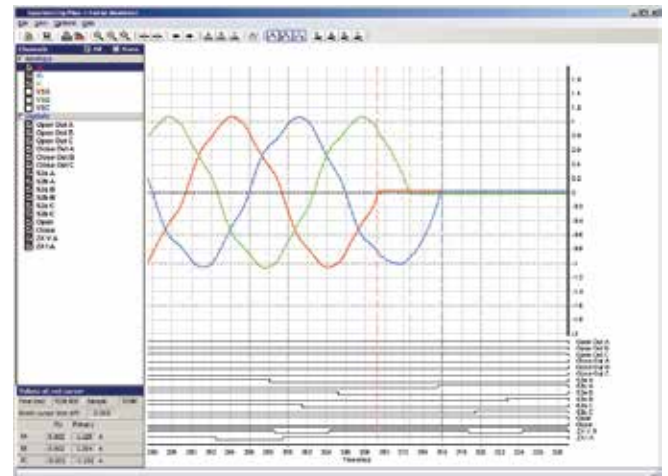
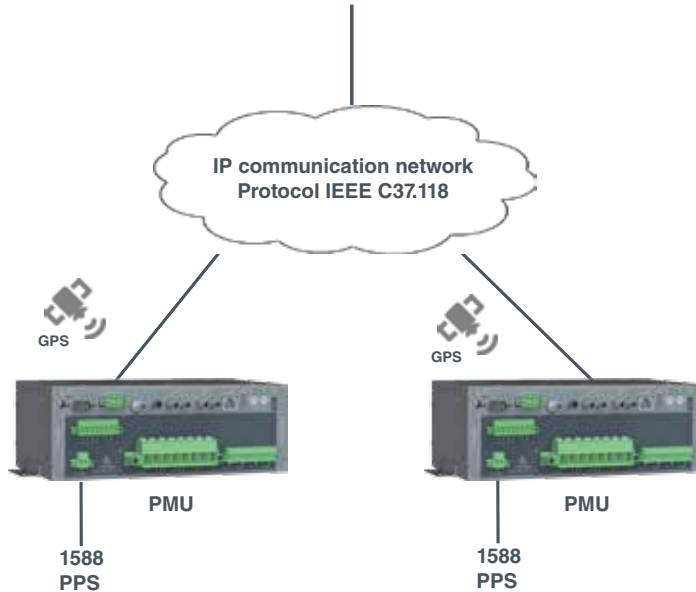
# Phasor Measurement Unit

- Fast, reliable and accurate ROCOF availability
- Up to 200/240 frames per second for 50/60 Hz
- C37.118, IEC 61850-90-5, GOOSE messaging
- TVE of less than 0.50% in steady conditions
- High precision clock base <100 ns
- Exceeds the C37.118.1 requirements for both M and P class accuracy

## Power System Monitoring



## Events and waveforms analyser



Ordering Info: PMU010000 - Phasor Measurement Unit

Contact  
 sales@vizimax.com  
 2284 de la Province, Longueuil, QC Canada  
 Tel. +1 450 679-0003

[www.vizimax.com](http://www.vizimax.com)