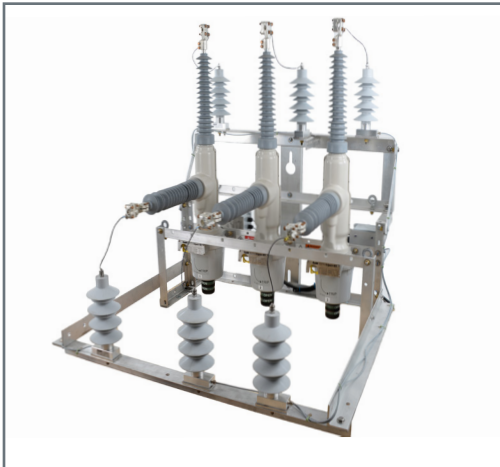# Accusense® Voltage Sensors

G&W's Accusense® Voltage Sensors are a metering-class voltage-sensing solution that enables users to collect critical voltage data needed for optimizing grid power delivery and reliability. Accusense voltage-sensing technology is an alternative to traditional metering class voltage-transformers and is available as a stand-alone voltage metering system or with the Viper-ST as a site-ready solution.
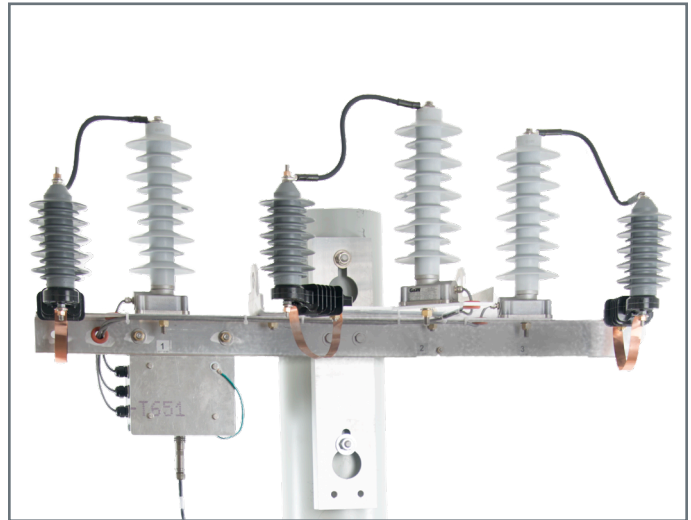
APPLICATIONS

- Intelligent metering Viper reclosers
    - High accuracy power quality measurement
- Retrofit reclosers installed in the field
    - Fault location, isolation, service restoration (FLISR)
- Stand-alone, high accuracy voltage metering
- Meter at feeder, capacitor banks, end of line, and interties
- Conservation Voltage Reduction (CVR) & Volt-VAR Optimization (VVO)

▲ Viper-ST Paired with Accusense® Voltage Sensors

▲ 38kV Accusense® Voltage Sensor

▲ Accusense® Voltage Metering System (Independent mount)

FEATURES / BENEFITS

- Metering class, 0.5% voltage-sensing accuracy
- No Ratio Correction Factors (RCFs) required
- One ratio for all voltages (5000:1)
- Alternative to metering class voltage transformers
    - Easy to install, lightweight
    - Safe, Low Energy Analog (LEA) output
    - Cannot back-feed, output isolated from primary
- Phase Measurement, better than ±0.2º
- Site-Ready Solution
    - Factory installed and tested

Specification		
Voltage Rating	15/27 kV	38 kV
Withstand Test Voltage	60 kV, 1 minute	70 kV, 1 minute
Basic Impulse Level (BIL)	170 kV	225 kV
Weight	4 lb	9lb
Accuracy Class	0.5 Class (±0.5% Magnitude, ±0.344˚ Phase)	
Ratio	5000:1 (V:V)	
Output	Low Energy Analog (LEA), 8VAC (max)	
Temperature Range	-40˚C to +65˚C	
Standard	IEC 60044-7:1999, IEEE C37.92-2005	