G&W Electric

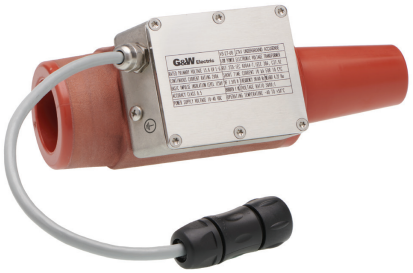
Accusense™ Voltage Sensor
VS-27-UG

Accusense VS-27-UG sensors are 27kV voltage sensors that connect to underground switchgear. These back-plug voltage sensors connect to the T-body elbow with a Figure 11 interface and are active sensors so there are no correction factors needed. They can be applied for both measurement and protection applications.

FEATURES

VS-27-UG
0.5% accuracy
Active sensor
Available with new gear or used for retrofits
Reduced footprint*
Enables proactive grid monitoring for predictive maintenance
Detection for DERs, which create dynamic loads and instability in the grid
Helps indicate grid stability issues by avoiding power outages

* Compared to solid insulated PTs



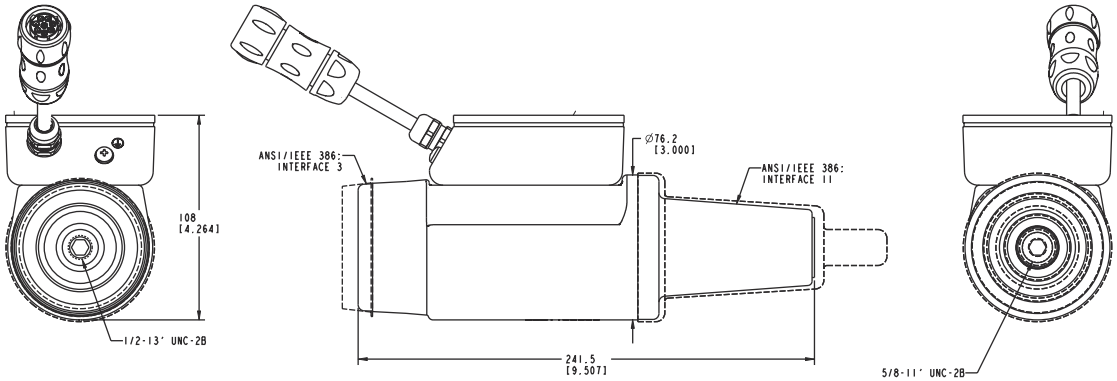
RATINGS

Nominal System	27 kV
Maximum Design Voltage	29.3 kV
BIL (Impulse Voltage Withstand)	125 kV
Frequency	50/60 Hz
Continuous Current	200 A
Short Time Withstand *(10 cyc)*	10 kA sym.
AC Withstand *(Dry, 1 min)*	60 kV
Operating Temperature Range	-40 to 50° C
Voltage Sensing Ratio	5000: 1 (V:V)
Accuracy Class	0.5 per IEC 60044-7
Rated Burden	1 MΩ
Max Cable Length	50 ft
Max Weight	5 lb
Ingress Protection (IP) Rating	IP68

APPLICATIONS

Power quality
Protection
Conservation Voltage Reduction *(CVR)*
VVR/O
Open tie switches
Sectionalizing
Local indication for voltage and phase

VS-27-UG Drawing



All linear dimensions are in millimeters [inches].

For more information

please, visit our website: www.gwelectric.com/high-accuracy-sensors

G&W Electric

Since 1905, G&W Electric has been a leading provider of innovative power grid solutions including the latest in load and fault interrupting switches; reclosers; sensors; system protection equipment; power grid automation; transmission and distribution cable terminations; and joints and other cable accessories. G&W Electric is headquartered in Bolingbrook, Illinois, U.S.A., with manufacturing facilities and sales support in more than 100 countries, including Canada, Italy, China, Mexico, Brazil, India, and Singapore. We help our customers meet their challenges and gain a competitive edge through a suite of advanced products and technical services.

gwelectric.com

GW112-Rev 3
2025.10/RT