

High Accuracy Low-Voltage, Voltage Sensor

Type 9561 sensors are voltage sensors for use in low voltage (up to 1000 V) switchgear where high accuracy voltage sensing is required.

Available Styles:

Standard 1% Voltage Accuracy

100-1000 V



High 0.5% Voltage Accuracy

100-1000 V



All sensors are provided with cast-in pig-tail cables.



Applications

- Data centers where high accuracy voltage sensing is required.
- Applications requiring high accuracy voltage monitoring.
- Other low voltage switchgear applications where space is limited and adding integral voltage sensing is required.
- OEM or retrofit applications where the sensor's form factor may make it more convenient and cost effective to install than other forms of voltage sensing.

Sensor Construction and Output

- Solid hydrophobic cycloaliphatic epoxy (HCEP) body sensor with integral cast-in pigtail cable on the sensor's neutral end.
- Primary high-side connection via copper terminal stud with integral screw.
- Sensor mounting plate located on the sensor's neutral end serves as the ground connection point.
- Very high accuracy internal resistor voltage divider network intended to interface with high input impedance ($\geq 1 \text{ M}\Omega$) meters, relays, controls, RTUs, or other IEDs.

High Accuracy Low-Voltage, Voltage Sensor

Low Voltage, Voltage Sensor Ordering Table

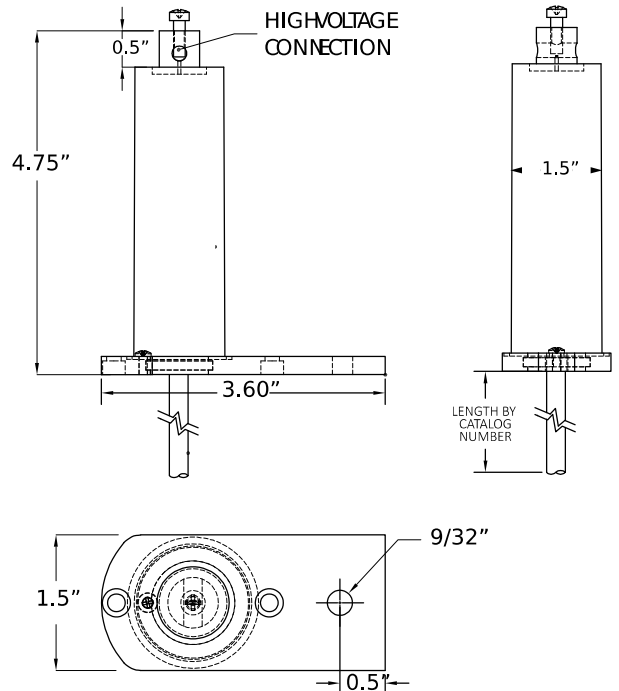
Part Number Sequence: **A / 0 B C D**

A	/ 0	B	C	D
Family		Ratio	External Connection	Pigtail Cable Length
9561- 1% accuracy		5 - 60:1	2 - Cast-in pigtail cable	X=Cable Length in 10 ft. increments
9561M-0.5% accuracy		6 - 120:1		
		7 - 166:1		
		8 - 200:1		
		X - Special		
EXAMPLE				
↓				
9561	/ 0	5	2	1

EXAMPLE: 9561/0521 is a low voltage, 1% accuracy voltage sensor with a 60:1 ratio output with a cast-in 10-foot pigtail cable.

Specification Table

Insulation Class	1000 V
Voltage Accuracy	0.5% or 1%
Ratio	By Catalog Number
Operating Temperature Range	-40°C / +55°C
Stated Accuracy Temperature	-40°C / +55°C
60Hz Withstand (1 minute)	2000 Volts
Minimum Electrical Load	1 M-Ohm
Length	4 3/4" (120mm)
Weight (without cable)	0.5 lb. (0.2 kg)



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