

## CVS-24-0

Combined Electronic Current and Voltage Transformer for outdoor

The CVS-24-0 is a 24kV combined electronic current and voltage transformer for outdoor use. It utilizes capacitive voltage sensing and Rogowski current sensing technologies designed to cover a wide range of applications from metering-class measurements & analytics to protection.

### CVS-24-0 current transformer features

Rated primary current, $I_{pr}^*$	300 A	
Rated extended primary current factor, $K_{pcr}$	30	
Rated primary time constant for transient performance, $t_{pr}$	25 ms	
Rated short time withstand thermal current, $I_{th}$	16kA / 1s	
Dynamic nominal current, $I_{dyn}$	31.5kA	
Rated continuous thermal current, $I_{cth}$	1.8 $I_{pr}$	
Nominal transformation ratio, $K_{ra}^*$	300A / 0.2V	
Accuracy class	For protection *	5P30
	For measurement*	0.5

### CVS-24-0 voltage transformer features

Rated insulation level	24kV	
Power frequency withstand level	50kV	
Basic impulse level	125kV	
Rated primary voltage, $U_{pn}^*$	20/ $\sqrt{3}$ kV	
Maximum voltage, $U_m$	24kV	
Rated secondary voltage, $U_{sn}^*$	1.1547V	
Rated voltage factor, $K_u$	1.9 for 8h	
Nominal transformation ratio, $K_n^*$	10000 / 1	
Accuracy class	For protection *	3P
	For measurement *	0.5

\*Customizable parameters, available with different values upon request

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### CVS-24-0 voltage transformer features

Auxiliary Supply voltage	±5 Vdc
Max. Supply Current	15 mA
Nominal frequency	50 / 60 Hz
Primary terminal capacity	1.25 pF
Weight	3.5 kg (7.7 lbs)
Creepage	7240 mm
Applicable Standards	IEC 60044-7; 60044-8
Bandwidth (-3 dB)	30 Hz – 20 kHz for VS
	30 Hz – 5 kHz for CS
Accuracy on harmonics	IEC 60044-8

