

Voltage Transducer CV100-AW CV100-AW/SP1

For the electronic measurement of voltages : DC, AC, pulsed..., with a galvanic isolation between the primary circuit (high voltage) and the secondary circuit (electronic circuit).

Performance data

Primary nominal r.m.s. current	10	mA
Primary current measuring range	0~±20	mA
Secondary nominal r.m.s. current	50	mA
Supply voltage (± 5 %)	±12..±24	V
Current consumption	15 +Is	mA
R.m.s. voltage for AC isolation test		
CV100-AW	7000	V/ 50Hz/1 mn
CV100-AW/SP1	9000	V/ 50Hz/1 mn
Measuring resistance	R _{Mmin} R _{Mmax}	
With ±12V @±10mA	0 120	Ω
±12V @±20mA	0 30	Ω
With ±18V @±10mA	0 200	Ω
±18V @±20mA	0 80	Ω
Accuracy @V _{PN} , T _A =25°C	±0.7%	
Linearity	±0.1%	
Offset current @ T _A =25°C, V _P =0	±0.3	mA
Thermal drift @0°C..+70°C	±0.3	mA
Response time @ 90 % of V _{PN}	≤20	μS
Ambient operating temperature	-40~+85	°C
Ambient storage temperature	-45~+90	°C
Secondary coil resistance @ T _A =70°C	60	Ω
Mass	500	g



Dimensions & connections

