

Voltage Transducer CV100-50..2500V

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

Type	CV100-50	100	200	400	500	800	1000	1500	2000	2500
Primary nominal U_N (V)	± 50	± 100	± 200	± 400	± 500	± 800	± 1000	± 1500	± 2000	± 2500
Measuring range (V)	$0 \sim \pm 75$	$0 \sim \pm 200$	$0 \sim \pm 300$	$0 \sim \pm 480$	$0 \sim \pm 600$	$0 \sim \pm 960$	$0 \sim \pm 1200$	$0 \sim \pm 2200$	$0 \sim \pm 3000$	$0 \sim \pm 3600$
Overload (V) 3min/h	75	200	300	600	750	1200	1500	2200	3000	3000
Accuracy (-40~85°C)	$\pm 1\% U_N$									
Linearity	优于 $0.1\% U_N$									
Offset current	$\leq \pm 0.3\text{mA}$									
Thermal drift	$\leq \pm 0.3\text{mA}$									
Secondary nominal current I_N	$\pm 50\text{mA}$							$\pm 40\text{mA}$		
Isolation	6kV/50Hz/1min							7kV/50Hz/1min		
Response time	40 μs	50 μs	60 μs	80 μs		100 μs	120 μs	120 μs	120 μs	120 μs

Connection 6.3×0.8mm
 Measuring resistance 150Ω (@ $\pm 15\text{V}$, U_N)
 Supply voltage $\pm 12 \sim \pm 24\text{VDC}(\pm 5\%)$
 Current consumption $15\text{mA}+I_s$
 Mass 0.6Kg
 Ambient operating temperature $-40 \sim +85^\circ\text{C}$
 Ambient storage temperature $-45 \sim +90^\circ\text{C}$

Dimensions & connections

