

Voltage Transducer CV100-50..1000V/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

Type	CV100-50	100	200	400	500	800	1000
Primary nominal U_N (V)	± 50	± 100	± 200	± 400	± 500	± 800	± 1000
Measuring range (V)	$0 \sim \pm 75$	$0 \sim \pm 200$	$0 \sim \pm 300$	$0 \sim \pm 480$	$0 \sim \pm 600$	$0 \sim \pm 960$	$0 \sim \pm 1200$
Over load (V) 3min/h	75	200	300	600	750	1200	1500
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	$\pm 40\text{mA}$						
Isolation	6kV/50Hz/1min						
Response time	40 μs	50 μs	60 μs	80 μs	100 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 15mA+ I_s
 Mass 0.6Kg
 Ambient operating temperature -40~+85°C
 Ambient storage temperature -45~+90°C

Dimensions & connections

