

Voltage Transducer CV4A-50..2000V/SP3

Applicable to isolated precise measurement of AC, DC and impulse voltages.

Performance data

Primary nominal r.m.s. voltage(V):	50	125	150	250	500	750	1000	1250	1500	2000
Primary voltage, measuring range(V):	0~±75	0~±187.5	0~±225	0~±375	0~±750	0~±1125	0~±1500	0~±1875	0~±2250	0~±3000
AC isolation test(kVrms/50Hz/1min):	3.3	3.3	3.3	3.3	3.3	4.3	5.5	6	6	6
Measuring resistance		R_{Mmin}	R_{Mmax}							
with ±11.4V		0Ω	47Ω							
with ±22.8V		0Ω	184Ω							
Secondary nominal r.m.s. current				50mA rms						
Supply voltage (± 5 %)				±12V~±24V						
Current consumption				50mA + Is						
Accuracy @ V_{PN} ,		$T_A=25^{\circ}C$:	±0.7%							
		$T_A=-25^{\circ}C\sim+70^{\circ}C$:	±1.5%							
		$T_A=-40^{\circ}C\sim+85^{\circ}C$:	±1.7%							
Linearity @ V_{PN} ,		$T_A=+25^{\circ}C$:	±0.1%							
Offset current @ $T_A=25^{\circ}C$, $V_P=0$			≤±0.15mA							
Response time @ 10 % of V_{Pmax} :			10μs~13μs							
Frequency bandwidth (-3dB):			DC..13kHz							
Ambient operating temperature			-40°C~+85°C							
Ambient storage temperature			-50°C~+90°C							
Mass			450g							

Dimensions & connections

