

Voltage Transducer CV100-2000V/SP4

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. voltage	2000	V
Primary voltage, measuring range	0~3000	V
Secondary nominal r.m.s. current	40	mA
Supply voltage ($\pm 5\%$)	$\pm 12 \dots \pm 24$	V
Current consumption	15 + Is	mA
R.m.s. voltage for AC isolation test	7000	V/50Hz/1 mn
Accuracy @ V_{PN} , $T_A=25^\circ\text{C}$	$\pm 1\%$	
Linearity	$\pm 0.1\%$	
Offset current @ $T_A=25^\circ\text{C}$, $V_P=0$	± 0.3	mA
Thermal drift @ $0^\circ\text{C} \dots +70^\circ\text{C}$	± 0.3	mA
Response time @ 90 % of V_{PN}	≤ 100	μS
Ambient operating temperature	$-0 \sim +80$	$^\circ\text{C}$
Ambient storage temperature	$-25 \sim +85$	$^\circ\text{C}$
Secondary coil resistance @ $T_A=70^\circ\text{C}$	60	Ω
Mass	600	g

Dimensions & connections

