SENSETECZ ENGINEERING
Better Performance
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Ultra-High Impedance Isolated Transmitter

Model: 602V

SPECIFICATIONS

- Input impedance: > 5T ($5x10^{12}$) Ohm@25°C; > 1T($1x10^{12}$) Ohm@60°C
- Bias current: < 10fA @25°C to the input electrodes; < 100fA@60°C to the input electrodes
- Isolation: 1500Vrms between the input, output ports and power supply
- Accuracy: ± 0.025% Max
- Output: -3VDC to +3VDC correspond to input signals -3V to +3V; or 4-20mA correspond to input signals -2V to +2V
- Noise: < 0.5mVrms with 250 Ohm loop resistance
- Response time: <50mS reach 98% of final signals
- Drift: 10μV/˚C
- Power supply: Single power supply any value from +18VDC to +30VDC
- 4-20mA loop resistance: 50 Ohm to 500 Ohm
- EMC/EMI design: IEC61000-4 compliance
- Power consumption: 70mA with 4-20mA circuit; 50mA without 4-20mA circuit
- Operation Temperature: -10˚C to 60˚C
- MTBF: > 175,000 Hours
- Intrinsic safe design: Compliant to fire hazard environment and electrical safety
- Humidity: 0-95%RH
- Warm-up time: no need
- Dimension: 79.5mmLx20mmWx70mmH, Phoenix DIN enclosure
- Weight: 150g