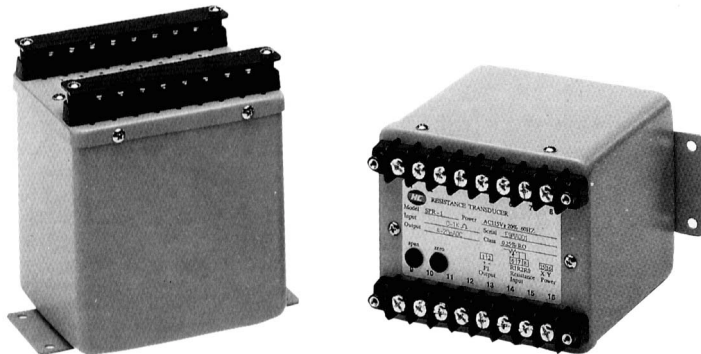


Resistance Transducer

Model SPR



- ⊙ Standard output with 0 to 1 mAdc;
Option on request
- ⊙ Dual isolated output (SPR-2) eliminating
ground loops effect
- ⊙ AC 1800V input / output / isolation meets
power series requirement
- ⊙ Meets IEEE SWC test
- ⊙ Three wires configuration eliminating wire
resistance

MODELSPR – 1 single output
SPR – 2 dual outputs

Specification

1.Accuracy	0.25% RO / $23 \pm 3^{\circ}\text{C}$
2.Input (each element)	
Range	0 – 50 / 0 – 100 / 0 – 200 / 0 – 500 / 0 – 1K / 0 – 2K / 0 – 5K / 0 – 10K / 0 – 20K ohm ... range / order on request
Configuration	Three wires
Sensing	DC constant current
Protection	Full protection for SURGE, EMI & RFI
3.Output (isolated with input)	
SPR – 1	Single output
SPR – 2	Dual outptus / isolated each other (600Vdc)
Range	0 – 1 / 0 – 5 / 0 – 10 / 0 – 20 / 4 – 20 / 0 – 50 / 10 – 50 mA 0 – 1 / 0 – 5 / 1 – 5 / 0 – 10 / 2 – 10V Standard calibration 0 – 1 mA vs required input range Option calibration under required range
Driveability	> 10Kohm for 0 to 1 mA standard output > 10V for current output mode > 10mA for voltage output mode
Output impedance	> 30 Mega ohm
Response time	< 400 ms from 0 to 99% RO at operating
Ripple	< 0.5% P-P RO
Long term stability	< 0.5% RO per year
Temperature stability	< 0.015% per degree C, from 0 to 55°C
Adjustment	Span, zero \pm 5% ro minimum
Protection	No damage ... open or short; full protection of SURGE, EMI, RFI
Magnetic effect	< 0.04% at center 400 A-T / M

