

## SRX-NI-4082

### Economical high performance resistance standards for the NI PXIe-4082

**Features:**

- Very stable - drift < 50 ppm/yr
- Excellent temperature coefficient - 2 ppm/°C
- Rugged
- Set consists of 4 resistance standards: 25 Ω, 125 Ω, 5 kΩ, 100 kΩ values as recommended by NI PXIe-408x calibration procedure
- 3/4" spacing for direct connection to the NI PXIe-4082
- Low inductance < 0.08 μH
- Custom values available



SRX-NI-4082 Resistor Set

### SPECIFICATIONS

**Calibration conditions:**

At 23°C, low power, accredited calibration traceable to SI

**Terminals:**

Two gold plated, low thermal-emf banana plugs positioned on standard 3/4 inch spacing for direct connection to the DMM

**Maximum applied power:** 0.6 W

**Dimensions:** 2.54 cm W x 5.1 cm L x 3.8 cm H  
(1" x 2" x 1.5")

**Weight:** 0.15 kg (0.1 lbs)

**Operating temperature range:** - 55 to 70°C < 80% RH

**Altitude:** <2000 m

**Enclosure:** ABS thermoplastic  
Flammability - UL 94-V0

NI PXIe-408x calibration procedure can be found at:  
<https://www.ni.com/docs/en-US/bundle/pxie-4080-4082-cal-pro/page/calibration.html>

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Nominal (Ω)	Initial Adjustment to Nominal (%)	Calibration Uncertainty typical (ppm) *	Stability 1 year typical (ppm)	TC (ppm/°C)	Resistor type	Voltage Coef. (ppm/V)	Terminals
25	<0.1	20	50	2	Metal Foil	0.1	2 banana plugs
125							
5 k							
100 k							

\* Low voltage using Fluke 8508A or Fluke 8588A

### ORDERING INFORMATION

**Standard model** SRX-NI-4082 Standard Resistor Calibration Set  
Includes Accredited Certificate of Calibration at dc