

USER GUIDE

NI 9944/9945 Quarter Bridge Completion Accessory

This document describes the features of the National Instruments 9944 and 9945 Quarter Bridge Completion Accessories, referred to inclusively in this document as the NI 9944/9945. You can use the NI 9944/9945 to add a quarter bridge to the NI 9237 module. Refer to the *NI 9237 Operating Instructions* for more information about the NI 9237.

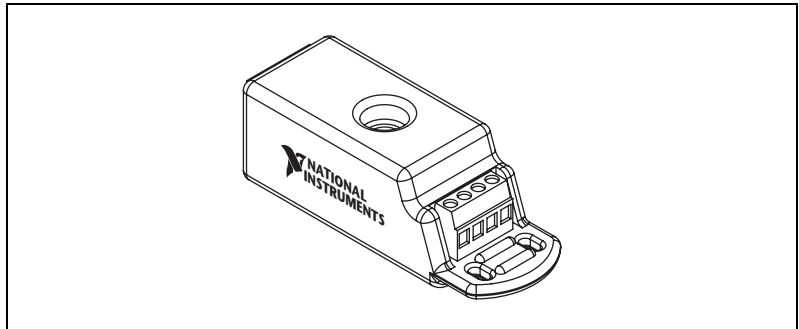


Figure 1. NI 9944/9945 Quarter Bridge Completion Accessory

What You Need to Get Started

To use the NI 9944/9945, you will need the following:

- Plastic tie strap for strain relief wrapped around the two front holes, as shown in Figure 3
- M4x20 screw, or other hardware that fits in the 8.89 mm (0.350 in.) outer clearance hole and 4.57 mm (0.180 in.) inner clearance hole, as shown in Figure 3

NI 9944/9945 Dimensions

The NI 9944/9945 has outer dimensions of 66 × 21.6 × 22.96 mm (2.6 × 0.85 × 0.90 in.), as shown in Figures 2 and 3.

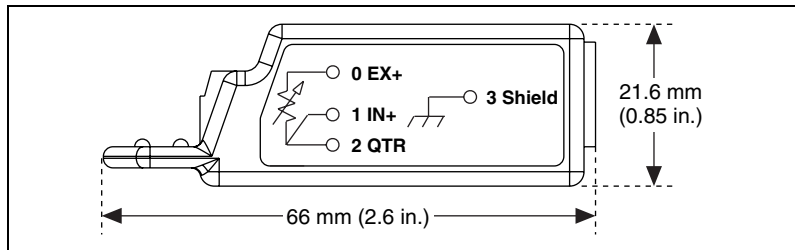


Figure 2. NI 9944/9945 Dimensions

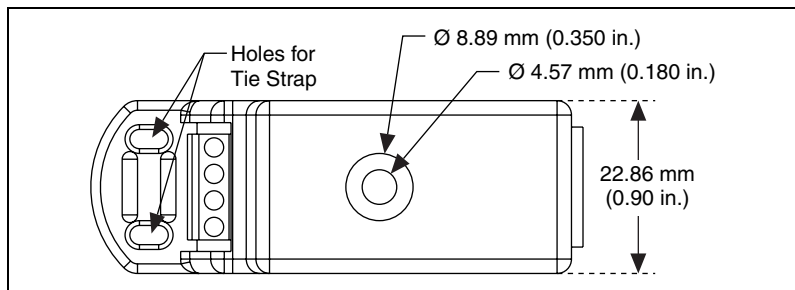


Figure 3. NI 9944/9945 Dimensions and Hole Clearance

Specifications

The following specifications are typical for the range -40 to 70 °C, unless otherwise noted.

Weight32 g (1.1 oz)

Operating temperature -40 to 70 °C

Resistor value

NI 9944120 Ω

NI 9945350 Ω

Resistance drift

NI 99440.012 $\Omega/^\circ\text{C}$

NI 99450.035 $\Omega/^\circ\text{C}$

Resistor tolerance (at 25 °C).....0.1% max

Resistor power0.25 W max

Where to Go for Support

The National Instruments Web site is your complete resource for technical support. At ni.com/support you have access to everything from troubleshooting and application development self-help resources to email and phone assistance from NI Application Engineers.

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