MicroStrain[®]

Little Sensors, Big Ideas.®

Ouick Start Guide

SG-Link[®]-LXRS[™] Wireless Strain Node



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Questions or problems during setup? Go to www.microstrain.com/support or call Technical Support: 1.800.449.3878 or 1.802.862.6629



2D ASSEMBLE AND CONNECT **TESTER BOARD ASSEMBLY**

Set the tester board bridge completion configuration to match the node bridge configuration via the on-board dip switches : Full: 1,2,3=ON; 4=OFF Half : 3=ON; 1,2,4=OFF Quarter: 4=ON; 1,2,3=OFF

2c ASSEMBLE AND CONNECT STRAIN GAUGE ASSEMBLY





Quarter Bridge Strain Gauge





Pin Number	Pin Name	Pin Description
1	VXC	3.0 volt sensor excitation.
2	S+	Positive input to the differential amplifier.
3	S-	Negative input to the differential amplifier.
4	GND	Signal ground (common with pin 7).
5	S	Input for three wire mode on quarter bridge strain gauges. Leave unconnected for full and
		half bridge strain gauge applications.
6	Ain	Analog 0-3.0 volt input.
7	GND	Input power ground (common with pin 4).
8	V <u>jck</u>	Input power positive (3.1-12 volts DC). This circuit is common with the barrel connector on the enclosure sidewall. This circuit can be used in place of the external power supply.



Half Bridge Strain Gauge



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Rg (Active)





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QUICK START GUIDE SG-Link[®]-LXRS[™] Wireless Strain Node



4b ACQUIRE DATA File Edit View Launch Application Help Click red x to stop acquiring data 🍂 🚑 🖉 🥶 🔧 🎵 🗳 🕒 💽 / 🔊 💈 🗆 🗙 🗾 Sampled Data 🔯 Controller 😪 Base Station Com 3 View Mode: Graph Model: SG-Link mXRS om (%): Auto 👻 💭 Auto Available Node S/N: 2417-0268 Node 268 Firmware: 7.29 Toggle between Graph and Data modes 180 -160 -140 -% 120 -100 -80 -60 -40 -20 --20 -750 730 Attempting to open com 3 Opened com 3 successfully Attempting to stop node 268 Successfully stopped node 268 Status alerts Attempting to close com handle 3 Com 3 successfully closed either the high or low ends of the signal **5** VIEW STORED DATA File Edit View Launch Ap Explore Data Directory 10 \Rightarrow Exit Co Name B Node_310 04-16-2012 T19_42_09 Node_310 04-16-2012 T19_43_24 3 Node_310 04-16-2012 T19_44_48 CONTACT MICROSTRAIN, INC. SG-Link[®]-LXRS[™] Wireless Strain Node See http://www.microstrain.com/wireless/sg-link for more information.

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