

Differential Terminal Configuration	Referenced Single Ended (RSE) Terminal Configuration	Non-Referenced Single Ended Terminal Configuration
Measures the potential difference between the AI+ and AI-	Measures the potential difference between the AI and the AI GND	Measures the potential difference between the AI and the AI SENSE

In general, it is recommended to use differential configuration when possible. Differential signal connections reduce noise pickup and avoid ground loops. The following chart summarizes ways to connect a signal source to a measurement system.