

CTC AppNotes

A series of technical documents written by members of the CTC community

Voltage and Voltage/Tachometer Adapters for CSI's 2140 Data Collector

CTC is introducing a full line of voltage adapters for direct data input into the 8 socket "VOLTAGE" input of Emerson's Flagship data collector, the CSI2140.

Voltage Splitters

The 8 pin connection on the 2140 has inputs for channel A, B, D, D, and a tachometer input as well. Voltage adapters for one, two, three or 4 channels are available. CTC's voltage adapters are designed and wired so as to avoid the possibility of tripping most Bently Nevada type protection systems off line. This

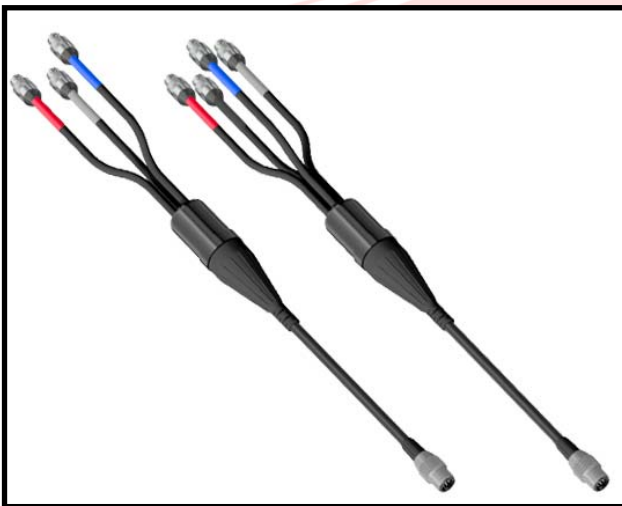


Figure 1. CTC's 3 and 4 channel voltage breakout adapters. Heavy duty construction ensures durable long lasting cables for years of use in industrial applications.

is accomplished by ensuring that the shielded wire from the data collector is not connected to the outer shell of the adapters on the BNC jacks.

Each channel is color coded to match CSI's color coding on the "ACCEL" A and B ports; Channel A is red, B is blue, C is black and D is

gray. The 4 channel adapter can eliminate the need for the bulky "batwing" adapter in certain applications, making for a lighter load when collecting data in the field.

Voltage Splitters with Tachometer Option

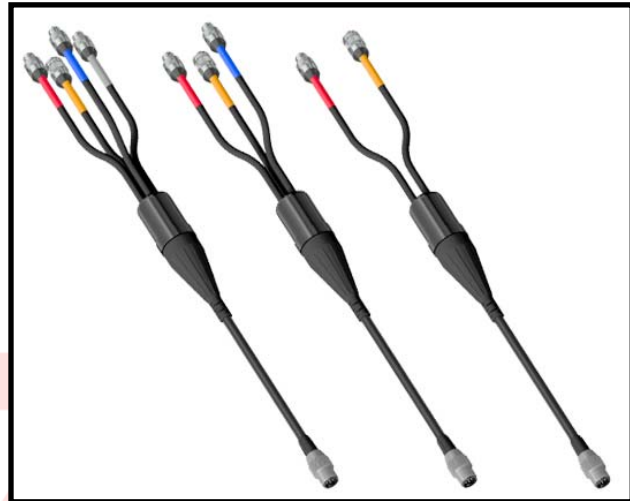


Figure 2. one, two and three channel voltage adapters (BNC Jacks) with tachometer input (BNC plug) for easy data collection.

Also available now are CTC's voltage input adapters with Tachometer input. These are available in one, two and three channel versions with BNC jacks for the voltage inputs and a BNC plug for the tachometer input. As with the voltage only adapter the Voltage/Tachometer adapters are color coded to match CSI's format, with the Tachometer input coded with a yellow heat shrink identifier. To avoid confusion each channel is identified by a descriptive label as well.

If you have any questions feel free to contact CTC directly. Call toll free 1-800-999-5290 in the US/Canada or +1-585-924-5900 internationally, or alternatively, email techsupport@ctconline.com.

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If any CTC vibration analysis hardware product should ever fail, we will repair or replace it at no charge.