

CTC AppNotes

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

New Data Collectors may require some new cables and adapters.

Emerson Process management recently released the new CSI2140 data collector. These new data collectors are capable of 4 channel simultaneous data collection, along with many other new options and improvements over the older CSI2130.



Input ports for CSI 2140 data collector showing 2 separate 5 pin acceleration inputs and one 8 pin voltage/tachometer input port.

The CSI 2130 had a 25 socket input along with two 5 socket M12("Turck") inputs for most connections. The 2140 eliminates the 25 pin input completely and gives the user two 5 socket inputs (for vibration) and one 8 socket input (for volts and tachometer).

Many analysts will be glad to learn that many of their existing 2130 cables can be used in the ACCEL A port of the 2140, as the wiring for that port has not changed from the 2130 to the 2140. Triaxial cables, standard single axis cables and many adapters will be able to be used on both a 2130 and 2140. CTC's popular CB104-C76-006-D2c cable is still an excellent choice for single channel inputs to the 2140. CTC has also begun manufacturing a heavy duty molded version of the

same single channel acceleration input cable, the new part number is CB104-C555-006-D2c. This new C555 connector features a ratcheting locking collar to screw into the 2140, along with a beefier 5 pin insert. The same ruggedized Connector features will also be available soon on the new cables for voltage and tachometer inputs.



C555—New ruggedized 2140 connector

Unfortunately for many analysts, the 2140 will require a completely new set of Tach cables and Voltage input cables. The voltage input cables for the acceleration will now use

a standard 5 pin M12 connector instead of the blue reverse keyed connection familiar to many analysts. The new 8 pin connector is available from CTC currently to connect with standard TTL type probes that have a BNC connector as the output, as well as in a version that will operate



2140 series adapter. Dual channel adapter for 2140. Versions available for both Accel port 'A' and Accel port 'B'. All will be available with BNC jack, BNC plug or 5 socket options.

speedvue sensors and the 404C phototach.

Keep watching the AppNotes column for more to come on new 2140 compatible products.

If you have any questions or for further information please contact CTC directly via Email at dgripe@ctconline.com or jsmith@ctconline.com or feel free to call 1-800-999-5290 in the US and Canada or +1-585-924-5900 internationally.



2130 series adapter. Dual channel adapter for 2130. Note the blue and yellow channel identifiers as compared with the 2140 red and blue channel identifiers on the next page.

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