

CTC AppNotes

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

New Temperature sensor for use with vibration data collectors.



TC120-1A outputs temperature at 10 mV/degree C with an effective temperature range of 3° C to 121° C.

Frequently Analysts are required to take multiple types of data when on a condition monitoring route. Temperature readings are often part of the data required to be obtained. Most often these readings are taken on machine points that require vibration readings as well, in these cases CTC's dual output vibration sensor series is the optimum choice (TA100 series sensors).

Sometimes, however, a temperature reading may be required from a point where no relevant vibration is expected. In these situations, analysts might need to col-



TA102-1A and TA104-1A sensors are the basis for the TC120 series sensor designs.

lect data with a different type of instrument that may have an alternative method of



TC124-1A Side exit temperature sensor. 3 pin connection collecting data. When they are required to work this way, the extra equipment needed and the additional time to manually enter readings into their data collectors can cause a significant loss of productivity. CTC has designed the TC120 series sensors specifically to be powered by standard data collectors and set up in a condition monitoring route as voltage input readings. This allows analysts to have readings entered into their data collector with little additional effort.

TC120-1A and TC124-1A can be obtained from our website, www.ctconline.com.

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.

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