

CTC AppNotes

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

CTC's Web Tools For Vibration Analysts

In this increasingly complex world many companies have added layers of management to make sure that money is well spent and not wasted on unnecessary equipment or services. In order to help explain our products and their proper application, CTC has developed many web-based tools to assist the vibration analyst in explaining to various interested parties exactly what they may be ordering.

"We Make it Easy"

To help analysts plan for the proper amount of sensors and cable for particular applications, CTC has developed our "We Make it Easy" guides for many common applications showing the amount and approximate placement of sensors for many common applications from industrial centrifuges to direct drive fans to vertical pumps.

Online utilities

CTC has developed several online utilities to help analysts specify the proper parts to order from CTC. Our Signal Conditioner Configurator and Proximity Probe Selector help an analyst determine the proper part numbers for particular applications, while our Vibration Calculator Online can convert common vibration values from velocity to acceleration or displacement in both standard and metric units.

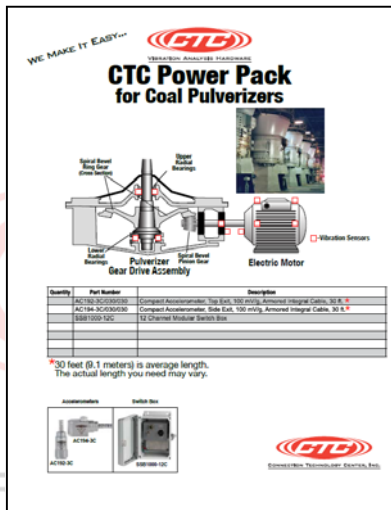


Figure 1— "We make it Easy" power pack for coal pulverizer.

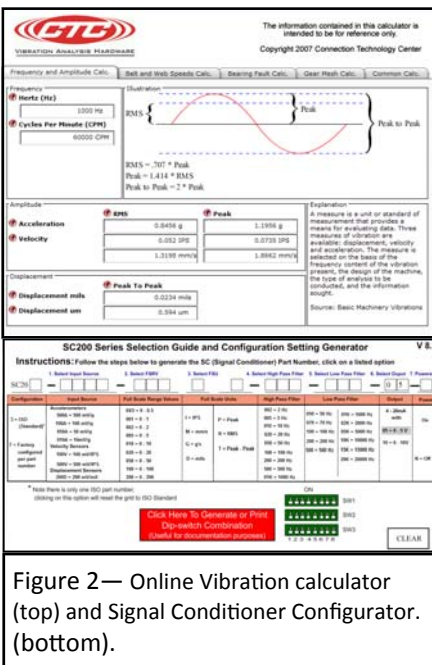


Figure 2— Online Vibration calculator (top) and Signal Conditioner Configurator. (bottom).

3D Models

CTC is in the process of uploading three dimensional models of all our most common parts, everything from individual connectors to mounting hardware, magnets, sensors and junction boxes. By left clicking on the picture and dragging the mouse the 3D

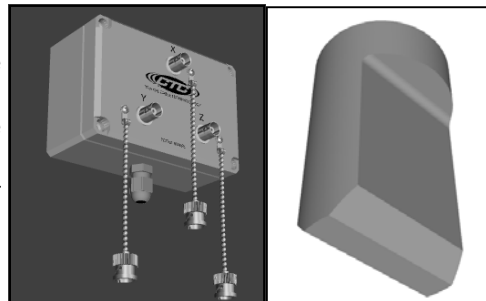


Figure 3— Triaxial cable termination box (TCT301-1E) and Fin Mount pad (MH118-1A) - bottom views



Figure 4— 3D renderings of the AC116-1A sensor (left) and V2N connector (right) rotated to different viewing angles.

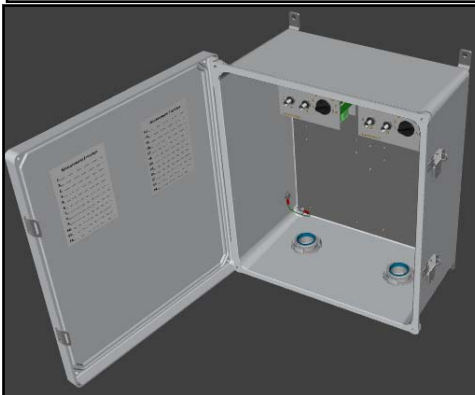


Figure 5— DSB1002-16B—Top view. Note the conduit fittings, mounting feet, switch modules, side latches and measurement location cards (on the inside of the front cover) exactly as this enclosure would be received from CTC.

model can be viewed from any angle, rotated 360° in all directions and reviewed for suitability for any application.

If you have any questions or for further information please feel free to contact CTC directly

via Email techsupport@ctconline.com or call 1-800-999-5290 in the US and Canada or +1-585-924-5900 internationally. Connect to confidence with CTC.

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