



VIBRATION ANALYSIS HARDWARE

# TCT301 Cable Termination Boxes

The TCT301 is a one-channel cable termination box that provides connection of the four-conductor wiring of a triaxial accelerometer to a portable data collection unit. The sensor is wired via an internal terminal strip that is tied to BNC connectors located on the face of the polycarbonate enclosure. The input terminal strip features five connections – X, Y, Z for each axis of the sensor (signal/power) as well as common and shield. Each axis of the triaxial sensor is to be internally wired so that each BNC provides one output for each axis. This allows sensor readings to be taken simultaneously or in sequence. Each BNC connector is equipped with an attached cover for protection when not in use.

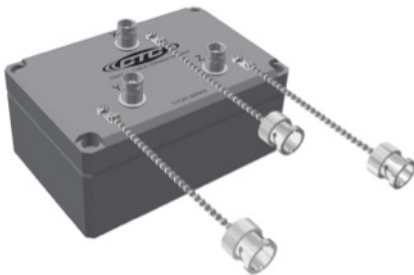


BNC Outputs

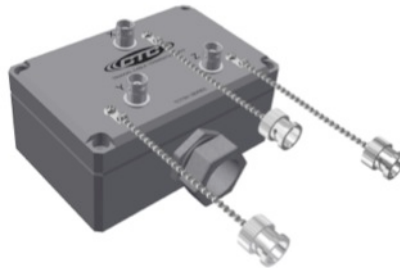


Input Terminal Strip

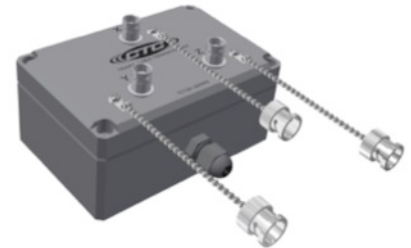
Rated for NEMA 4X (IP66), the box is also resistant to hose directed fluid and is rated for temperatures ranging from  $-58^{\circ}$  to  $180^{\circ}$ F ( $-50^{\circ}$  to  $82^{\circ}$ C). The polycarbonate composition makes the box heat resistant and durable. Cable input options for the TCT301 include:



A. User Defined  
(Installed by user)



B. Conduit Fitting



E. Nylon Cord Grip