Discreet Component Deenergized and Energized Test Equipment

Electrical Signature Analysis (ESA) is an energized test method where voltage and current waveforms are captured while the motor system is running to assess the health of the motor system. Energized testing provides valuable information for AC induction and DC motors, generators, wound rotor motors, synchronous motors, machine tool motors, and more.

Motor Circuit Analysis (MCA™) is a deenergized test method to assess the health of the motor and motor circuit. This method can be initiated from the Motor Control Center (MCC) or directly at the motor. The advantage to testing from the MCC is that the entire electrical portion of the motor system, including the connections and cables between the test point and the motor is evaluated.

ALL-TEST Pro produces its ESA and MCA™ instruments as discreet, handheld, battery operated units that are all extremely field portable. The data analysis and storage elements are WINDOWs based and are easily shared between computers. Along with providing flexibility to a reliability department the use of individual instruments provides users with the ability to choose how much of which technology is best for their electric motor maintenance program. Both instruments & software provide dependable, quick answers so maintenance staff and managers can make reliable decisions and keep their maintenance team working simultaneously on different motor applications.