

Baker EP1000 Dynamic Motor Link

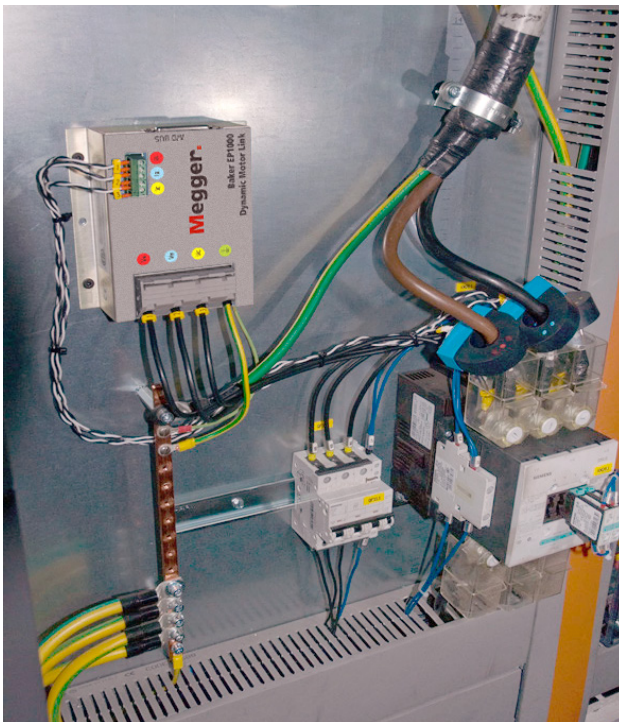


Safely and quickly connect the Baker EXP4000 Dynamic Motor Analyzer to motors – from the outside of a motor control cabinet.

Safety is a critical consideration among motor maintenance professionals going about their routine jobs. The potential for arc flash hazards makes dynamic (online) motor testing in a motor control cabinet (MCC) dangerous, if not prohibitive. The personal protection equipment required to safely enter these flash zones is cumbersome, making the task of motor monitoring difficult.

The Baker EP1000 dynamic motor link was designed to enable convenient monitoring of motors and the machine systems they are part of. Combined with the EP1000's safety benefits, it is the ideal solution for safe, effective online motor monitoring. Once permanently installed in an MCC, the EP1000 does not require motor maintenance personnel to open the cabinet again for monitoring purposes. A user simply attaches a cable from the Baker EXP4000 Dynamic Motor Analyzer to the

permanently-installed exterior port on the MCC door. Once attached, the connection allows the EXP4000's Surveyor EXP software to automatically load the test and data for the motor being monitored from the database. A user can easily perform the necessary measurements, then disconnect the EXP4000 and leave the zone with minimal exposure to the dangers that lie within an MCC. Peak voltage during operation is 5 V or less, and the accessory is passive (un-powered) when the EXP4000 is not attached. The EP1000 can be directly connected to motors at voltages of up to 1000 V. It can also test higher-voltage motors via MCC PTs and CTs. EXP4000 users obtain reliable, consistent results with the EP1000. Since there is only a single connection, the risk of any misconnections is eliminated. A user can gather electrical data without interruption of the motor operation. Typical data acquisition time is one to four minutes. This makes monitoring of critical equipment quick, reliable, safe and easy.



EP1000 installed in a cabinet

MCC door connector plate and cable



Solid core CTs



200 amp split core CTs



EP1000 bundle	Product ID
EP1000-5 – EP1000 with 1000 V max input, plus 3 x 0.5 -5 Amp, 600 V max CTs, 1.05" ID, MCC door connector plate and cable	99-EP1000RC
EP1000-5 – EP1000 with 1000 V max input, plus 3 x 0.5 -5 Amp split core 600 V max CTs, 0.40" ID, MCC door connector plate and cable	99-EP1000SCRC
EP1000-10 – EP1000 with 1000 V max input, plus 3 x 1 - 10 Amp split core 600 V max CTs, 0.75" ID, MCC door connector plate and cable	99-EP1000-10RC
EP1000-50 – EP1000 with 1000 V max input, plus 3 x 5-50 Amp 600 V max CTs, 0.57" ID, MCC door connector plate and cable	99-EP1000-50RC
EP1000-50SC – EP1000 with 1000 V max input, plus 3 x split core 5-50 Amp 600 V max CTs, 0.75" ID, MCC door connector plate and cable	99-EP1000-50SCRC
EP1000-200 – EP1000 with 1000 V max input, plus 3 x 20-200 Amp 600 V max CTs, 0.93" ID, MCC door connector plate and cable	99-EP1000-200RC
EP1000-200SC – EP1000 with 1000 V max input, plus 3 x 20-200 Amp split core 600 V max CTs, 0.75" ID, MCC door connector plate and cable	99-EP1000-200SCRC
EP1000-600 – EP1000 with 1000 V Max input, plus 3 x split core 60-600 Amp CTs, 600 V max CT, 2" ID, MCC door connector plate and cable	99-EP1000-600RC
EP1000-1000 – EP1000 with 1000 V Max voltage input, plus 3 x 1000A split core CTs, 600 V max CT, 2" x 2" ID, MCC door connector plate and cable	99-EP1000-1000RC
EP1000-1500 – EP1000 with 1000 V Max voltage input, plus 3 x 1500A split core CTs, 600 V max CT, 2" x 2" ID, MCC door connector plate and cable	99-EP1000-1500RC
EP1000-2000 – EP1000 with 1000 V Max voltage input, plus 3 x 2000A split core CTs, 600 V max CT, 3" x 5" ID, MCC door connector plate and cable	99-EP1000-2000RC
EP1000-3000 – EP1000 with 1000 V Max voltage input, plus 3 x 3000A split core CTs, 600 V max CT, 3" x 5" ID, MCC door connector plate and cable	99-EP1000-3000RC

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