



EMPATH™ 2000 Training Course (4 Day)

The four-day training course has been established to assure that personnel are familiar with the EMPATH motor diagnostic system and have tested and diagnosed at least five motors as part of classroom exercises. The student will learn how to operate the EMPATH system to set up motor databases, to acquire data, to store and manipulate data, and to diagnose motor problems via the EMPATH report generator. The following agenda is employed to meet these objectives.

1. Introduce Motor Current Signature Analysis (MCSA)
2. History of MCSA
3. Genesis of EMPATH
4. EMPATH equipment overview
5. EMPATH software overview
6. Database set up and operation
7. Motor nameplate data
8. Motor bars and slots
9. Data acquisition
10. Saving data
11. Retrieving data
12. Manipulating the database
13. Microsoft Access
14. EMPATH software in depth review – cursors, zoom, reports, print, etc.
15. EMPATH report generator
16. Sample motor data – use of report generator
17. Motor analysis – AC induction motors
18. Motor faults and problems
19. Testing of plant motors
20. Analyzing plant motors
21. Variable frequency drives
22. Iterate 19. And 20.
23. Review areas where students are struggling
24. Iterate 19. And 20.
25. Iterate 23.
26. Overview of synchronous, DC and wound rotor motors
27. Questions and answers



If you require customized training courses, we can design sessions to fit your specific needs.

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