



## TC902 – 5200 Hardware Maintenance

This two day course is intended to provide application, test development and service engineers with the necessary training to carry out diagnostics and routine maintenance on the 5200 range of test systems. The course adopts a practical "hands on" approach to fault finding which is backed up by informal lectures where appropriate.

On completion of the course the attendee should be capable of diagnosing faults to module level and in some cases to component level; also they will have a deeper understanding of the operation of the system hardware. Most courses are tailored to suit individual needs of attendees concentrating on the appropriate instrumentation used.

### Contents

- Introduction to 5200
- System philosophy
- Hardware layout
- Physical layout of the system
- System controls
- Measurement frame
- Fixture interfaces
- Software overview
- Analog In-Circuit testing
- GPIB operation
- Interpreting and diagnosing self test results
- Practical exercises, including fault finding
- Course discussion and question forum

### Pre-requisites

To gain maximum benefit from this course, attendees should first have completed the *TC501 5200 Introduction to AIC*. No previous ATE knowledge is assumed but some experience of PC usage and computer operation in general would be beneficial as well as fault finding electronic circuits. Experience in using some test equipment would also be useful (e.g. DVM, counter/timer, waveform generator, oscilloscope etc).

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