

The Syllabus of the Kelsey K7000 Training Course (4 – 5 day duration)

Operator Level

- Overview of K7000
- Menu hierarchy
- System Layout
- Overview of the Control loop
- K7000 front and rear panel layout
- Front panel indicators
- Switching on the equipment
- Understanding basic software messages (including logging in)
- Loading a test programme (spectrum)
- Function generator
- Starting the test
- Stopping the test
- Basic data acquisition
- Basic graphics
- Basic fault finding

Technician Level

- K7000 internal communications
- CK704 internal structure
- CK704 hardware configuration – card links
- Signal conditioning configuration
- Monitor connections
- Transducer connections
- Servo control set-up (including group operation)
- Commissioning Facilities
- Transducer & Channel definition
- Calibration and stability check
- Digital I/O configuration
- Hydraulic Interface
- Safety system and actions
- Error reporting

- Limit Detectors
- Self checks and Hardware Limits
- Advanced data acquisition
- Graphics
- Strain scans
- System reports
- File Utilities
- Security System
- Systems configuration
- Serial Interface (SSU)

Programmer Level

- Test Control
- Types of Test (static. Fatigue etc.)
- Dynamic Command Sources
- Test Programme Language (TPL)
- Programme Structure
- Common Test Elements
- Digital I/O
- Waves
- Counters
- Creating and editing a test
- Test Manager
- Static Test manager
- Working examples

