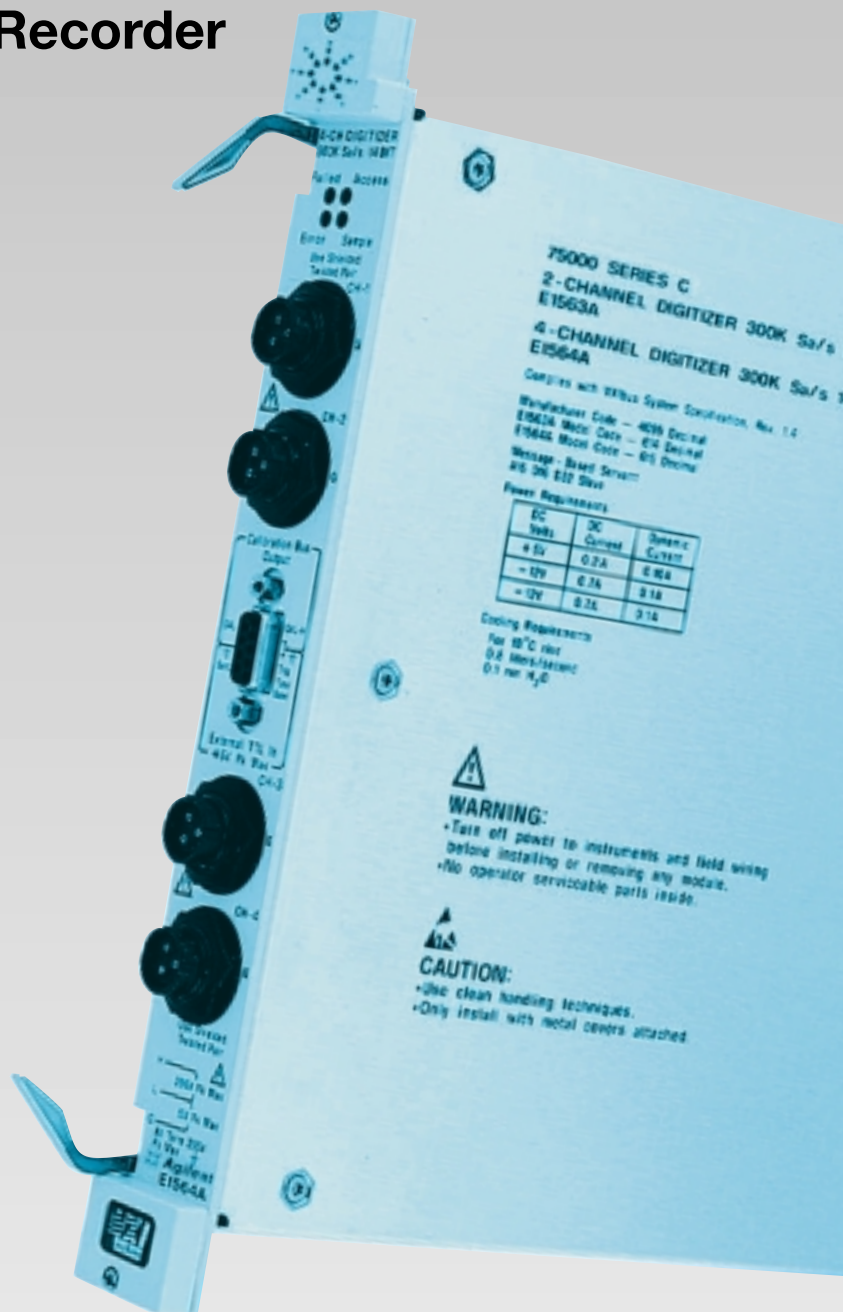
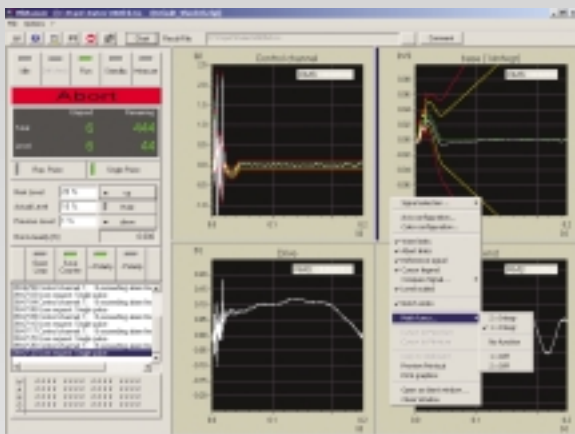


TransRecorder

Multi-Channel Transient Recorder

- ... 800 kSa/s sample rate
- ... up to 48 channels
- ... up to 128 Mbytes memory
- ... input ranges up to 256 V
- ... data export to MS Excel or to m+p international's SmartOffice e-Reporter





INTERNATIONAL

m+p international's TransRecorder is based on a 4-channel, 800 kSa/s VXI digitizer (Agilent E1564A VXI digitizer) in conjunction with a VXI mainframe and an IEEE-1394 FireWire interface card. System configurations of up to 48 channels can be realized. TransRecorder is ideally suited for recording and analysing electronic and mechanical transient waveforms in manufacturing test, product development and engineering research. This also applies to environments with high levels of electrical noise, requiring particularly good common mode noise rejection. Applications: underwater acoustics, pyro-shock, jet-engine testing.

Data can be stored in the on-board memory of up to 128 MByte. Alternatively, data are stored continuously to PC disc using the FIFO functionality of the on-board memory.

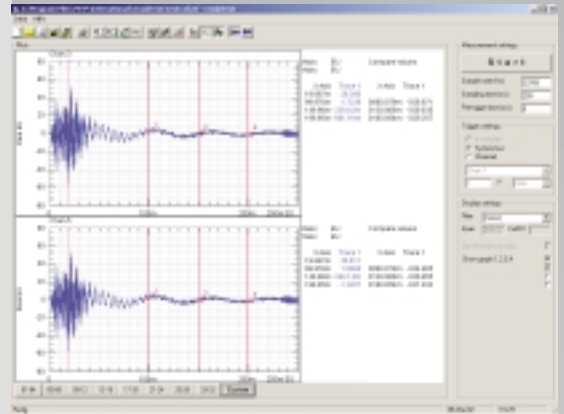
Triggering can be set up for either time or event modes with programmable pre-and post-trigger reading counts. To simplify calibration, the VXI digitizer provides an on-board calibration source and flash ROM to hold the calibration data.

The intuitive Microsoft Windows-based user interface allows for comfortable set-up of the test and measurement channel parameters. Measurement data can be exported to Microsoft Excel or to the m+p international SmartOffice e-Reporter software for sophisticated offline analysis. The SmartOffice e-Reporter enables mathematical calculations like FFT's, integration, differentiation and many more. Data are displayed in 2D and 3D (waterfall) diagrams. Reports containing multiple sets of data can easily be generated.

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TransRecorder

VXI solution for full characterization of electronic and mechanical transient waveforms

- Number of channels: 4 channels per digitizer card, up to 48 channels per system
- Sample rates: 1 Sa/s to 800 kSa/s
- Resolution: 14 bits
- Input ranges: up to 256 V
- Basic accuracy: 0.1 %
- Time base resolution: 0.1 μ s
- Low-frequency CMNR: 113 dB
- Anti-alias filters: 1.5 kHz, 6 kHz, 25 kHz, 100 kHz
- Memory: up to 128 MByte total per digitizer card
- Online monitoring
- Data export to Microsoft Excel or m+p international's SmartOffice e-Reporter