



# 32-bit DLL and VIs for LabVIEW Visual Basic, "C" for MCD Multichannel Analyzers

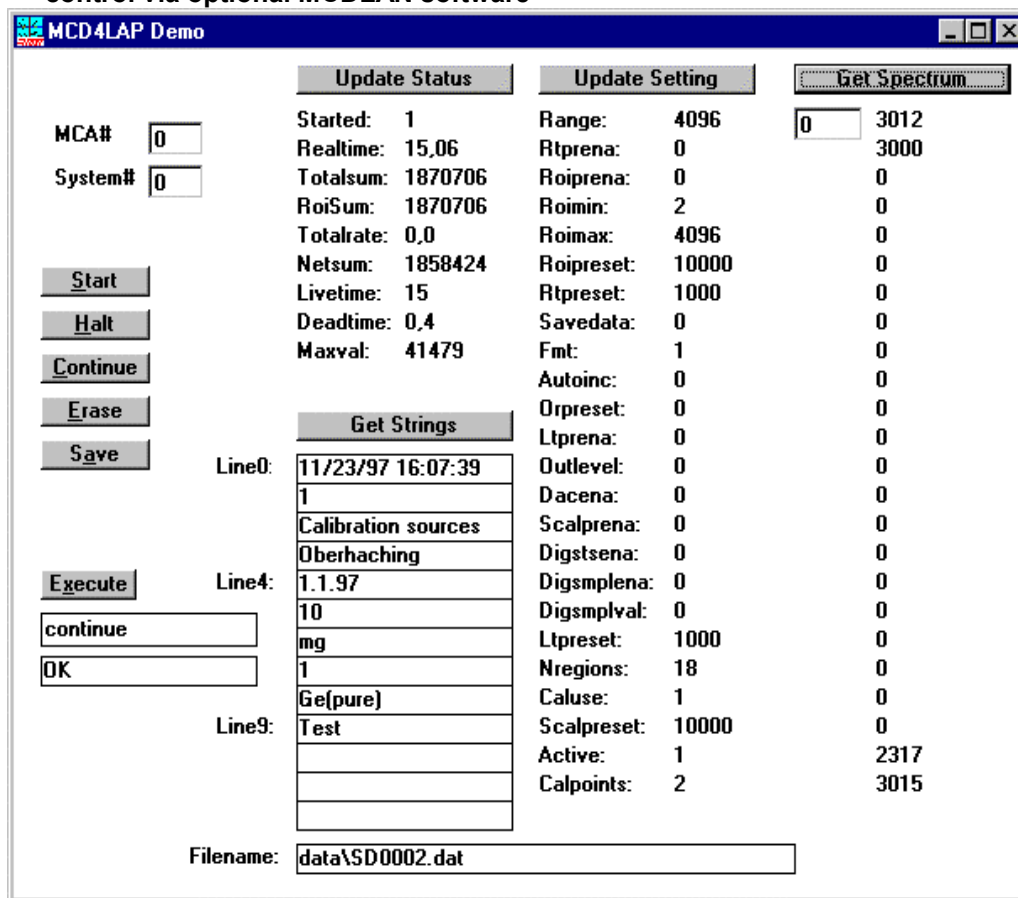
## Features:

- MS-Windows based customer-specific user interfaces can be easily made using supplied documentation, libraries and examples
- Available for all Multichannel Analyzers with 32 bit MCDWIN software: MCA-3/P7882, MCD/PC, MCDLAP, MCD-2, MCD-2E, 7882, MCD4LAP, 7886, P7886(S,E), P7887, P7888 and P7889
- Example programs in Visual Basic, C, and Delphi
- Example LabVIEW application and library containing basic LabVIEW VI's
- Access to spectra like slices or projections calculated in MCDWIN v 2.8 or special new FMCDWIN.DLL
- Automatic execution through MACRO commands
- Local Area TCP/IP Network support for remote control via optional MCDLAN software

The 32 bit MCDWIN software for the multichannel analyzers MCA-3/P7882, MCD/PC, MCDLAP, MCD-2, MCD-2E, 7882, MCD4LAP, 7886, P788x family consists of a hardware-dependent server program with DLL and a general graphics program that controls the hardware via the DLL. Any other Windows application can also control the hardware via the DLL. To support the programming of such customer-specific user interfaces, as an option we deliver documentation such as sourcecode and example programs for Visual Basic and LabVIEW.

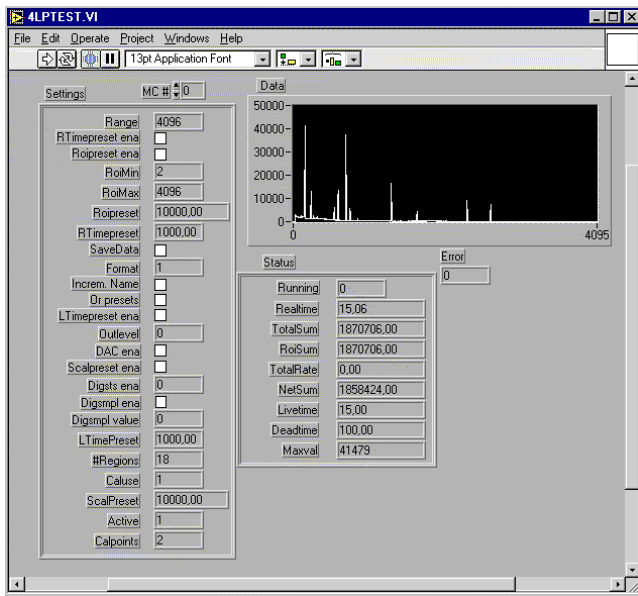
The software includes the complete sourcecode of the DLL that controls the hardware via the server program. A special new FMCDWIN.DLL including source code with examples like  $F \cdot \frac{(x-x')}{(x+x')}$  where  $x'$  is marked by a routing bit allows to display calculated spectra including calculated error bars in the MCDWIN program.

Here is the demo application in Visual Basic:



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For LabVIEW a demo program and a library containing some basic VI's are delivered.



The MCDTEST VI

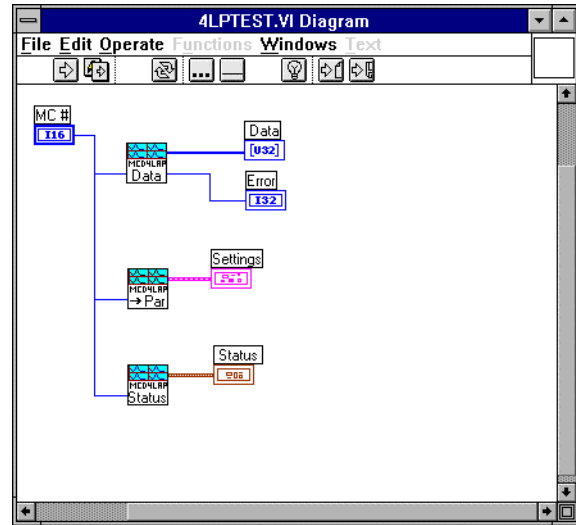
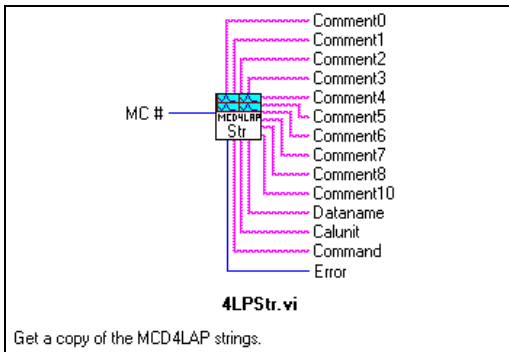
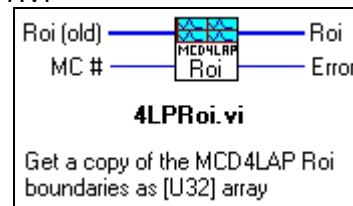
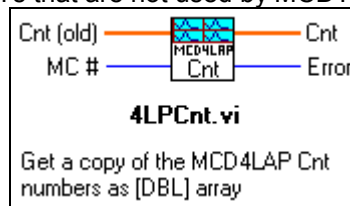


Diagram of the MCDTEST.VI

The demo VI contains three VI's to get the setting, status and the spectrum data.  
The MCD.LLB contains some more VI's that are not used by MCDTEST.VI



The following 32 bit MCDWIN DLL products are presently available:

Modelno.	Description	Order no
MCA-3DLL32	DLL for LabVIEW / Visual Basic / C for MCA-3/P7882	MCA3S1
MCDPCDLL32	DLL for LabVIEW / Visual Basic / C for MCD/PC	MCDS86
MCDLAPDLL32	DLL for LabVIEW / Visual Basic for MCDLAP	MCDS87
MCD4DLL32	DLL for LabVIEW / Visual Basic for MCD4LAP	MCDS88
MCD-2DLL32	DLL for LabVIEW / Visual Basic / C for MCD-2, MCD-2E, 7882	MCDS89
7886DLL32	DLL for LabVIEW / Visual Basic / C for 7886	MCDS90
P7886DLL32	DLL for LabVIEW / Visual Basic / C for P7886 (S,E)	MCDS91
P7888DLL32	DLL for LabVIEW / Visual Basic / C for P7888	MCDS92
P7887DLL32	DLL for LabVIEW / Visual Basic / C for P7887	MCDS93
P7889DLL32	DLL for LabVIEW / Visual Basic / C for P7889	MCDS94