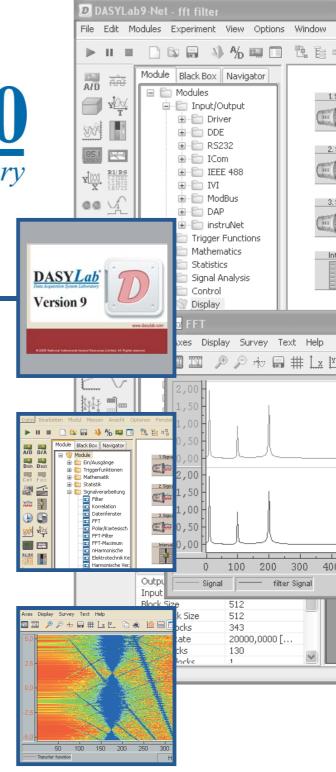


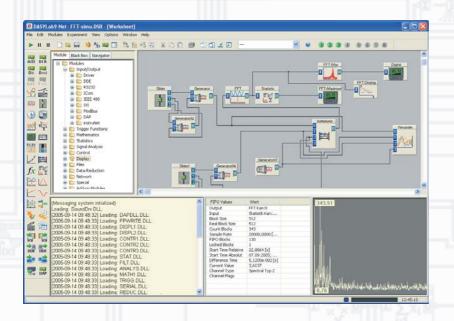
# DASYLab 9.0

Data Acquisition System Laboratory

- Create powerful solutions quickly
- Configure flexible displays
- Easily generate reports
- Acquire data from many types of data acquisition hardware
- Extend the capabilities with your own functions



# **DASYLab Window**



### Worksheet

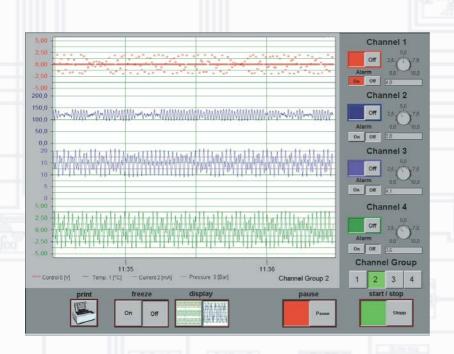
The worksheet is where the user creates the data flow logic for the application. Select and combine the desired function modules and connect them with wires that represent the data flow.

The browser window displays a tree structure containing all available function modules as well as any saved block boxes. It also contains a navigator to quickly find specific modules in a worksheet.

The console window displays graphical and numerical information about content and structure of the data flow.

# **Dialogs**

No programming required! Easily configure modules using the Module Properties dialog boxes. Easily specify the capability of each function block, the number of channels and the parameter settings.

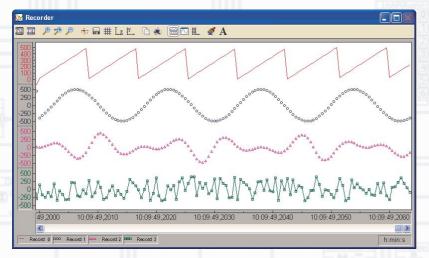


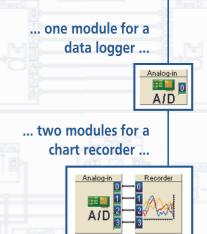
#### 

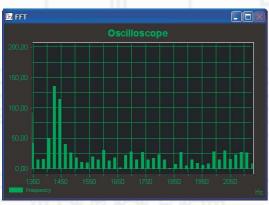
### Layouts

Use the layout view to create the operator interface to work with your application and to define the structure and content of professional reports. For each application you have 200 pages to display your data and results.

# Five easy solutions <for convincing results>

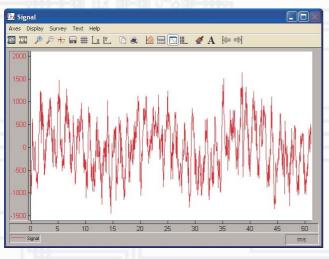






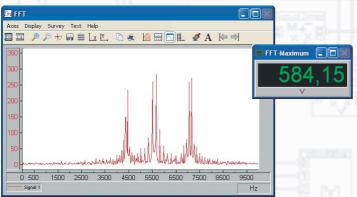
... three modules for a frequency analyser



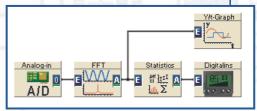


... four modules for a storage oscilloscope with individual scaling ..





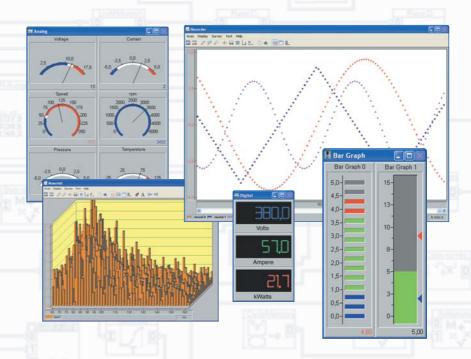
... five modules for acquisition, display, frequency analysis and statistics of your data



# **DASYLab Display Options**

# **Displays**

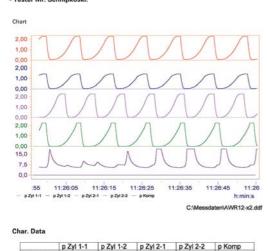
Use the different displays in DASYLab to represent your data online. Interactively zoom and view cursor measurements on or off-line..



#### Report of the Pressure Measurement at AWR 12

- Type of Engine: AWR 12 x2 Cylindre diam.: 30 mm

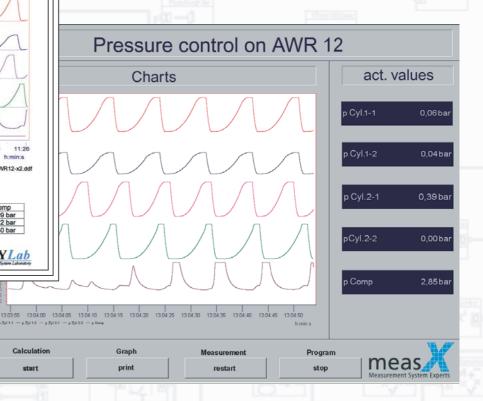
- Tester Mr. Schnipkoski



#### **DASYLab**

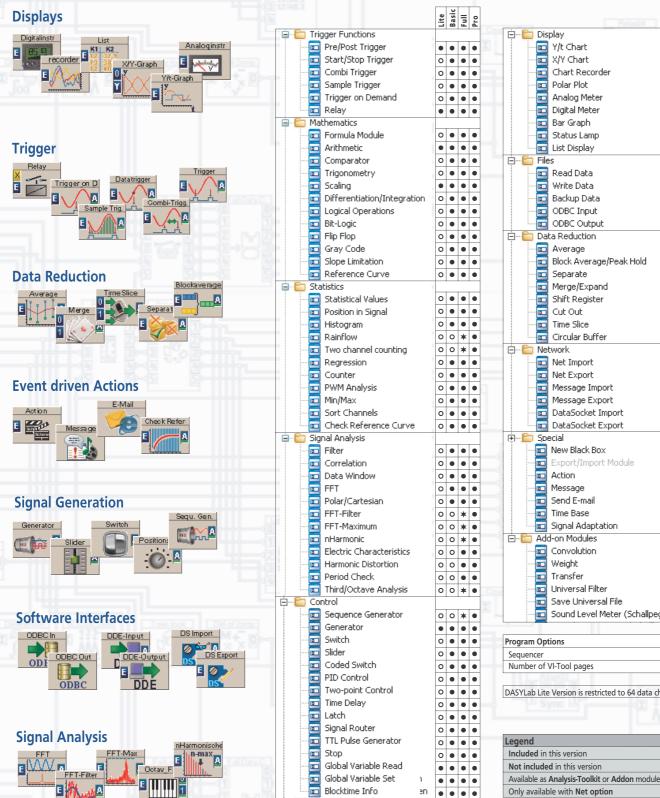
# **Layouts and Reports**

Use the DASYLab Layout Windows to create a clear and informative presentation of your data and results. Represent your data in scope displays, numerical listings, chart recorders or bar graphs, just by placing the corresponding objects in the layout and connecting them to the worksheet modules. Use text or graphical elements to enhance the clarity and usability of your application.



# **DASYLab Features**

You can choose between four different DASYLab Versions to get exactly the features that you need. The light version contains the basic functions for PC-based data acquisition and representation. The basic version comes with additional mathematical and statistical functions as well as basic control modules. The full version comes with additional blocks for automation of measurement and analysis tasks. The professional version contains the network functionality, frequency and amplitude analysis as well as a setpoint generator module.

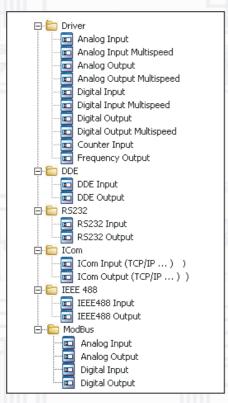


	Y/t Chart	•	•	•	•
	X/Y Chart	0	•	•	•
	Chart Recorder	•	•	•	•
	Polar Plot	0	•	•	•
	Analog Meter	•	•	•	•
	Digital Meter	•	•	•	•
	Bar Graph	•	•	•	•
	Status Lamp	•	•	•	•
	List Display	•	•	•	•
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	Read Data	•	•	•	•
	Write Data	•	•	•	•
	Backup Data	0	0	•	•
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	ODBC Output	0	0	-	•
	ata Reduction	Ė	_	_	_
	Average	•	•	•	•
	Block Average/Peak Hold	•	•	•	•
	Separate	0	-	•	•
	Merge/Expand	0	•	•	•
	Shift Register	•	•	•	•
	Cut Out	0	•	•	•
	Time Slice	0	•	•	•
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	Net Export	0	0	A	-
	Message Import	_		-	-
	Message Export	0	-	-	-
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	DataSocket Import	0		•	-
	DataSocket Export	0	•	•	•
	ecial New Black Box	F	_	_	-
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	Export/Import Module Action	0	•	•	•
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		0	•	•	•
_	Signal Adaptation	0	•	•	•
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	-	0	0	H-	-
	Transfer	0	-	<u> </u>	-
	Universal Filter	0	0	*	-
••••	Į	0	0	*	-
	Sound Level Meter (Schallpec	0	0	*	*
Program Op	otions		_	_	_
Sequencer		0	0	•	•
Number of	VI-Tool pages	1	1	200	200
	510/03				
DASYLab Lit	e Version is restricted to 64 data ch	ann	iels		
Legend					
	this version				•
Not include	ed in this version				0

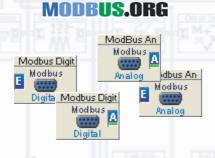
Lite Basic Full Pro

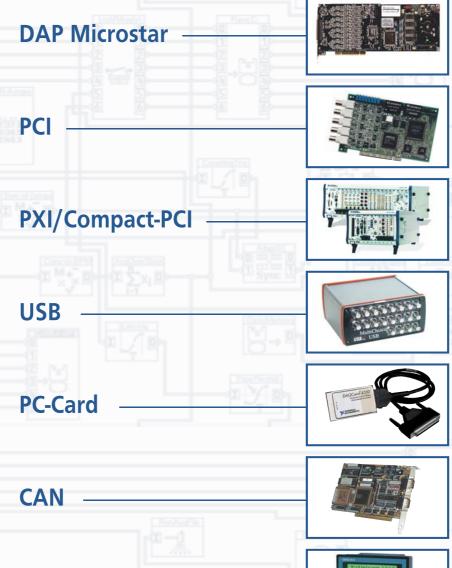
# **DASYLab Interfaces**

DASYLab supports a wide variety of different data acquisition devices using any kind of available interface to the PC. Whether you have stationary, mobile or in-vehicle application, DASYLab will support the appropriate sources.















**SPS Simatic S7 Interface** 

**RS232-Interface** 

# **DASYLab Extensions**

# **Analysis Toolkit**

The analysis toolkit contains a group of modules to analyse a signal in frequency domain: Octave and third octave analysis, transfer functions, different kinds of filters as well as signal energy calculation.

# **Sequence Generator**

The Sequence generator module gives you the tools to easily create setpoint signals for control applications. Curves and ramps of different shapes can be combined to create custom waveforms.

# **Net Option**

The network communication modules allow fast data and information transfer between different DASYLab applications via TCP/IP.

## **Vibration Impact on Human Body**

This extension contains the complete analysis and weighting for vibration impact on the human body generated by machines according to ISO 8041.

### **Acoustics**

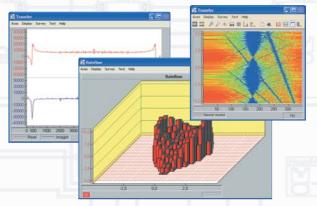
Sound level and sound power calculation according to the appropriate ISO norms are the central analysis modules of this extension.

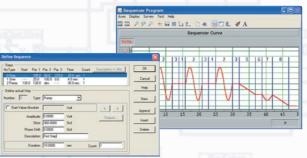
#### **Driver Toolkit**

Have your own hardware? The driver toolkit allows you to include any kind of data source in DASYLab. It contains the complete API to develop your own drivers using Microsoft C.

#### **Extension Toolkit**

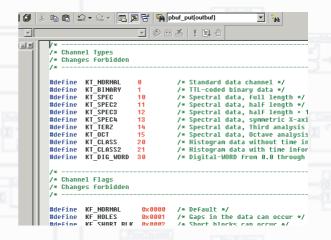
Need a custom function? Use the extension toolkit to add modules to DASYLab using Microsoft C. Use the working examples as the basis for your modules.

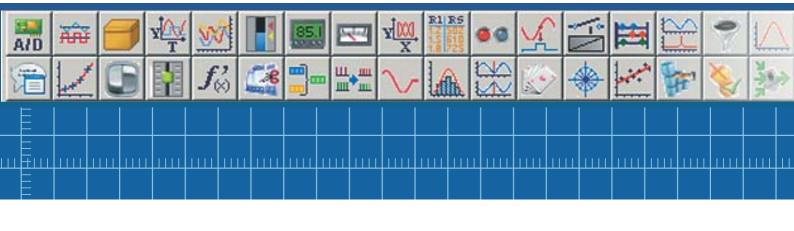












Distributor			