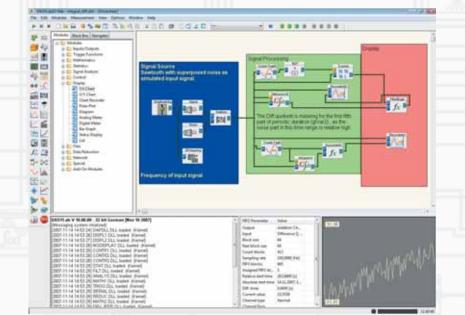


## easy-to-use – flexible – powerful

# **DASYLab Window**



### Worksheet

The worksheet is where you create 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 numeri-

cal information about content and structure of the data flow.

### Dialogs

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

FT: Real FFT of a R	eal Signal		
Module name 🗍	Ŧ100	Description	
	2 2 4 5 6	7 8 9 10 11 12 13	15
Overeel name	(FFT 0 )		CIX,
Uvit:	#0		Cancel
Functions	đ	Evaluation	Help
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# Anpitude spect	inan C.	Havenues to first block	
Powerspectrum		Maxman # current Stark	
Power density s	pectus C	Maximum in all blocks	
C Phase spectrum	0	Value	
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Suppress DC of	Imponent		
IFT without the	power of two	Connectional Assi.	
Fileing			
# Disable	C Integrate	C Differentiate	
	C Integrate 2x	C Offerentiate 2x	

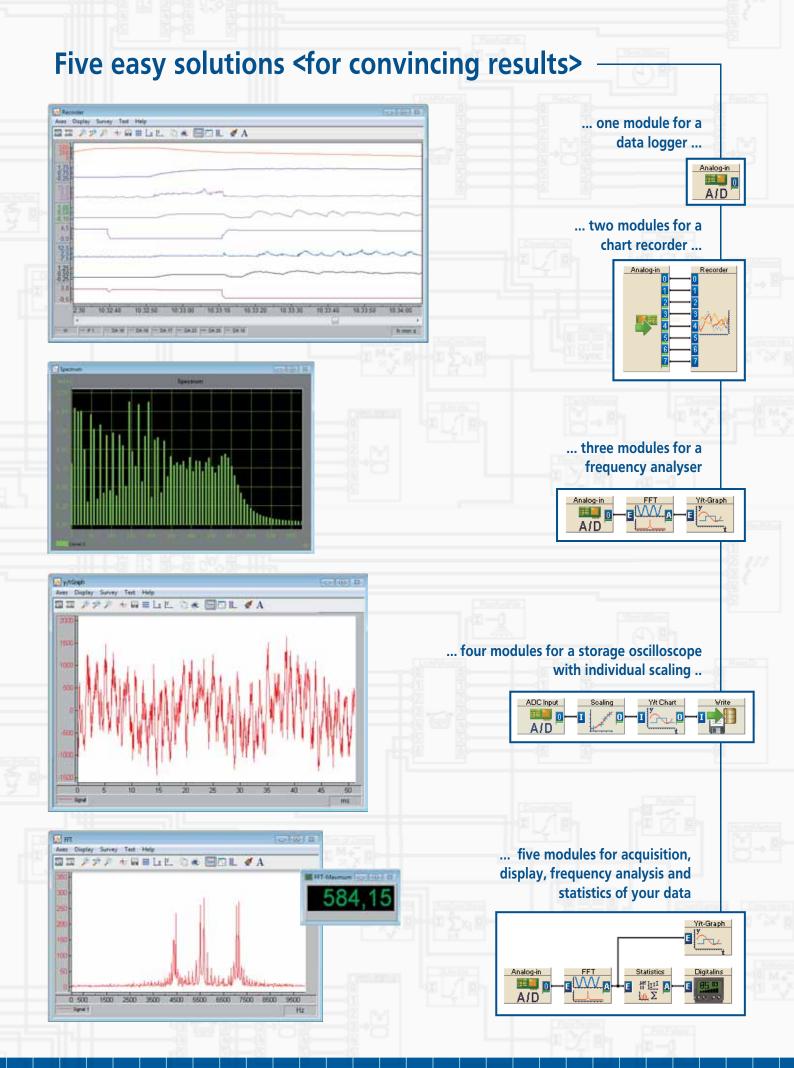
### Layouts

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.

#### 200,0 150.0 100,0 50,0 0,0 20 11:36 11:35 Channel Group 2 Temp 1 PCI Pressure 3 [Bar] Control 0 [V] rent 2 (mA) freeze Jse On Off Pau



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# **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..



#### Protocol pressure measurement AWR12

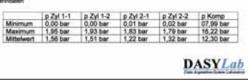
Test constions: -Type of engine: AWR12-x2 -Cylinder diam. : 30 mm - Compression max.: 16 bar -Sensora type P10ba

0,0

Test performed by : Schnipkoweit

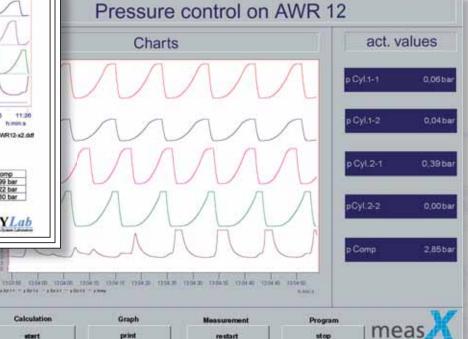
Signal 2,00 2,0

#### 55 11.26.05 11.26.15 11.26.25 11.26.35 11.26.45 11.26 11 - p2y14 - p2y24 - p2y28 - pKeep Rumins C'Meesdater/AVR12.42.dd



### 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 useability of your application.



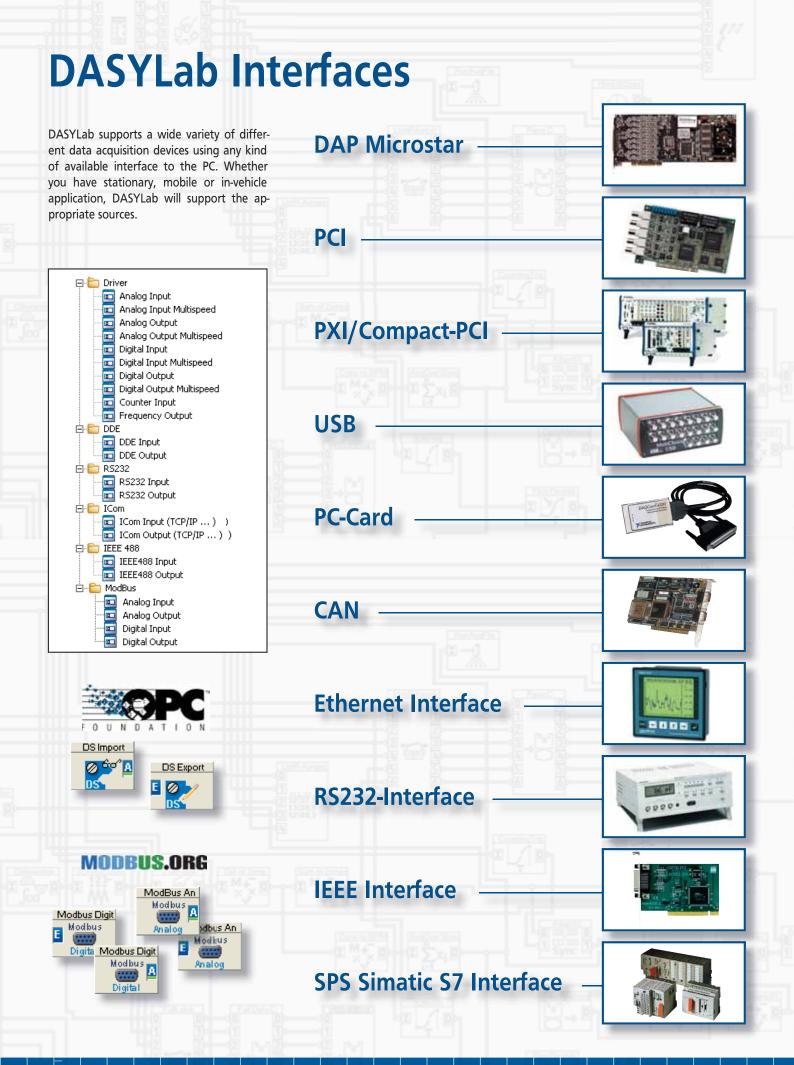
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## **DASYLab Features**

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 Rainflow analysis as well as a setpoint generator module.

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	Relay		🗖 🗖 Digital Meter	
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	TTL Pulse Generator			•
	TTL Pulse Generator	0 • • •	Included in this version	0
	TTL Pulse Generator	0 • • • • • • •	Included in this version Not included in this version	0

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# **DASYLab Extensions**

### **Analysis Toolkit**

The analysis toolkit contains a group of modules to analyse a signal in the 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**

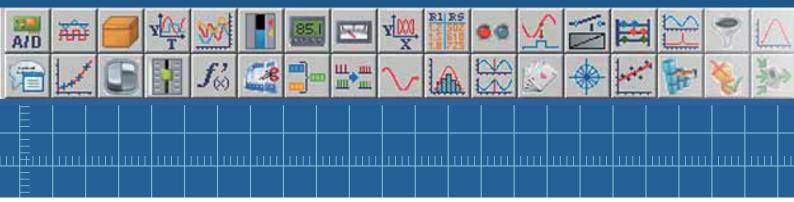
Have your own hardware? The driver toolkit allows you to include any kind of data source in DASYLab. It contains the complete API to develop your own drivers using Microsoft C.

### **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.



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#### Distributor

更多信息请联系 Dasylab 中国代理:

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