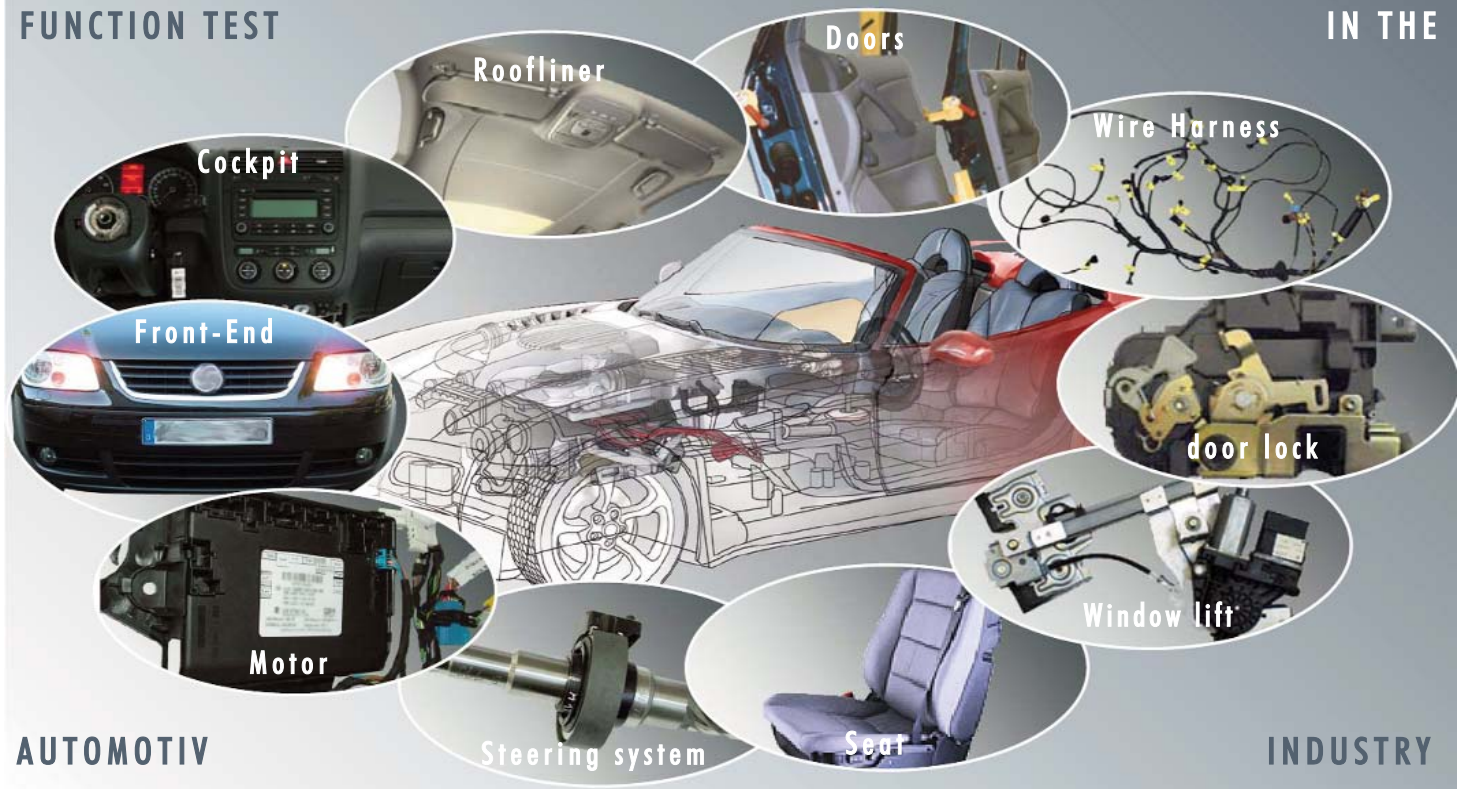


FUNCTION TEST

IN THE



TEST SOFTWARE CS WIN

- Controlling of the test system and evaluation of the tests.
- Communication and interaction with the operator.
- Communication with higher-ranking systems.
- Communication with LabVIEW test programs and libraries.
- Parameterise instead of programming.
- Short training period of your operators.

FUNKTION TEST SYSTEM FT5010

Range of application:

- End of Line - test.
- Quality - and function test in the automotive industry.
- Development-accompanying test and first sample test.

Features:

- Simultaneous stimulating and measuring at the test object.
- Modular developed measuring technology.
- Modular developed adjustable test matrix.
- Several test matrix with different specifications can be operated.

Equipment:

- 19" housing
- Measuring system
- Voltage / Current generator
- Interface to external measuring systems
- 8 potential-free inputs / outputs [24V with external power supply]
- 9 test point card slots
- 4 main assemblies [standard PC, measuring system, test matrix and the adapter]



FT5010 MEASURING UNIT

Voltage measurement / Current measurement

Range	0 ... 800mV, ... 80V, decadic
Resolution	better than 0.1% of the range
Accuracy	better than 0.1% ± 0.1% of the range
Automatic range shifting	

Resistance measurement

Two-terminal measurement	0 ... 10ohm, ... 100Mohm, decadic
Four-terminal measurement	0 ... 0.1ohm, ... 100ohm, decadic
Resolution	0.2%
Accuracy (without TP cards)	1% (1ohm ... 1Mohm) 2% (1 ... 10Mohm) 5% (> 10Mohm)
Four-terminal measurement	0.5% (0.1ohm ... 100ohm)
Upper voltage	5 ... 60V, standard (up to 10Mohm): 5V
Automatic range shifting optional	

Capacity measurement

Range	100pF...10mF, decadic
Resolution	0.1% of the range
Accuracy	3% ± 10pF
Test piece discharged before starting measurement	

Diodes, Z-diodes

Forward voltage / cut-off voltage,	0.2V ... 55V
Test current	1 ... 100mA
Accuracy	0.1V
Upper voltage	5 ... 60V

Programmable tension/power source [LVDC-Gen2]

Output:

Output voltage	0V ... 60V
Output current max.	max. 2A steady load

Voltage setting:

Resolution	0.05V
Accuracy	0.2% ± 0.1V

Current setting:

Range	0.15 ... 2A
Resolution	0.01A
Accuracy	0.1A

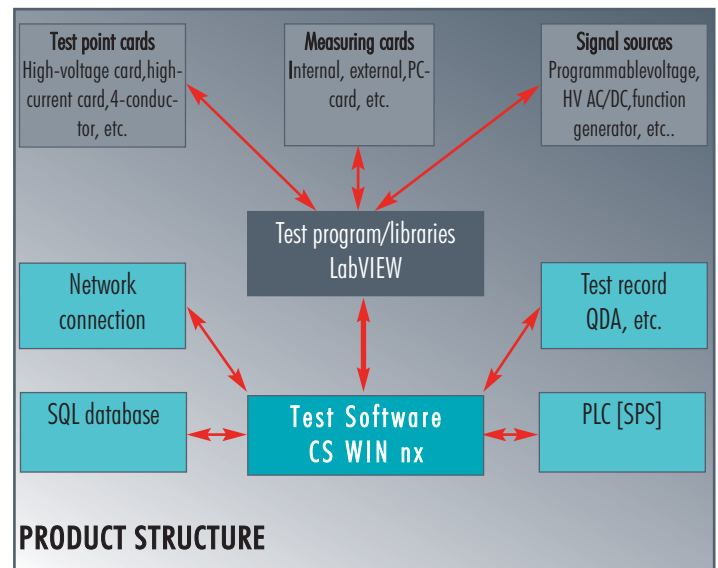
Measurement of output voltage and current using the LV measuring system (VMU).
Constant voltage control or constant current control depending on load.

CONTACTING OF THE TEST OBJECTS

- Experiences in development, construction and manufacturing of test modules since 1983.
- More than 20.000 designed and manufactured Adaptionen per year.
- Wear and error free electrical connection to the test object.
- Manual adapter up to the adaptation box with integrated sequence of functions.



Manual Adapter



Test point board/Coupling card

Card Type	Art.No.:	No. of TP	U _{max}	I _{max}
TP LV-8	230 422	8	60V	25A
TP LV-16	230 428	16	80V	6A
TP HV-32	236 656	32	1000V	2A
Coupling Card	228 482	3x9	1000V	(HV) 6A (LV)



19" plug-in Module

