

# DESKTOP MODULAR TESTER

DMT 1000.A | DMT 1000.B | DMT 1000.C

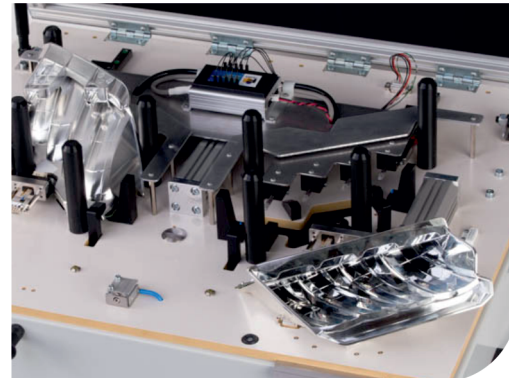


# DESKTOP MODULAR TESTER

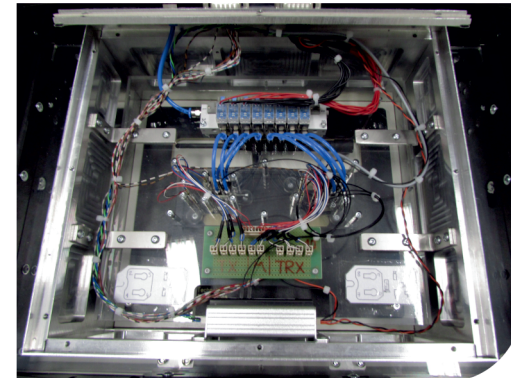
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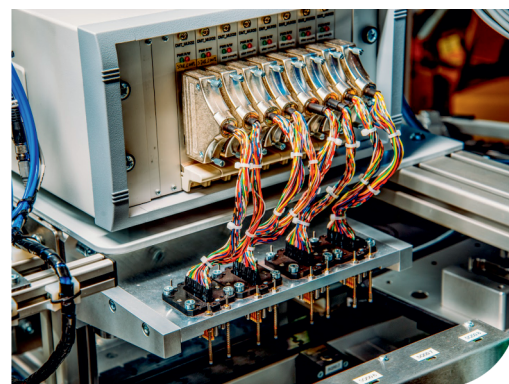
## EXAMPLES OF APPLICATION



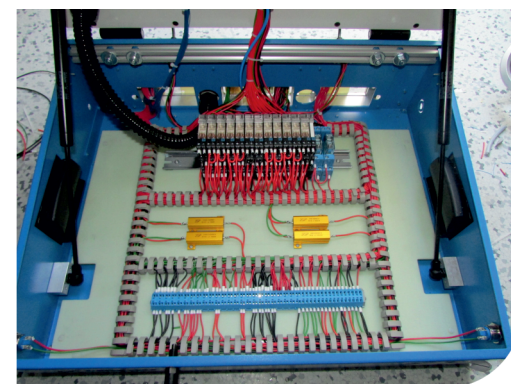
Test of LED headlamps (intensity and chromaticity, supply current & voltage measurement)



FCT/ICT in Shielded RF fixtures



In-line ICT (high volume production)



Vacuum and pneumatic fixtures

UNITES Systems a.s. is a private company located in the Czech Republic with more than 25 years of experience in the development and production of dedicated test and measurement systems – ATE solutions for semiconductor devices for various kinds of industrial sectors such as Automotive, Aerospace, Consumer, Telecom, Defence, Medical etc.

**You do manufacturing,  
testing is our thing**

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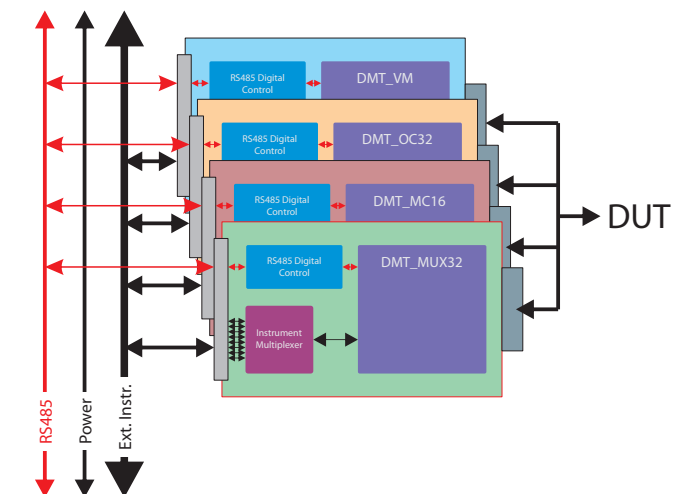
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DMT stands for Desktop Modular Tester. It represents robust and flexible test platform for cost effective testing of various DUTs (such as assembled PCBs, cables, LED lights, etc.) In combination with our sophisticated and easy-to-use test software SCADUS, DMT provides a perfect solution for standard measurements such as Resistance, Capacitance, Inductance, Conductance, etc. - ICT and FCT. It is designed to be easily interconnected with various instruments (such as DMMs, Power sources, LCR meters, LIN and CAN converters, ...) and it complies with all necessary standards for industrial testers.



## MAIN FEATURES

- Low cost & effective solution
- Durable RS 485 interface
- Available in 3 different rack variants
- Stand-alone rack option
- Ideal for DUTs Programming
- Ready for RF applications
- Vision tests
- Ideal for ICT (SMT & discrete components)
- Ideal for FCT (Current & Voltage measurements, LIN & CAN applications)



## MAIN ADVANTAGES

- Cost effective solution
- Flexibility
- Versatility
- Any instrument can be implemented

**You do manufacturing,  
testing is our thing**



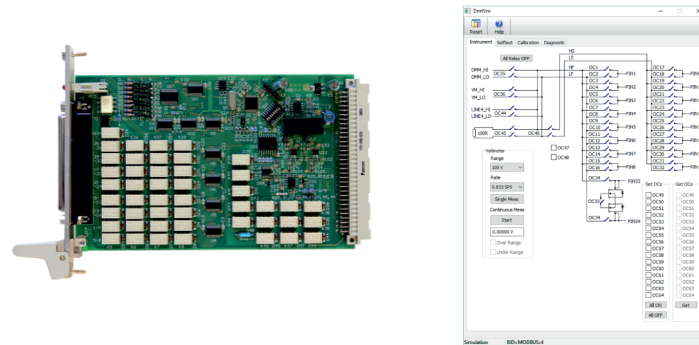
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### COMPONENTS

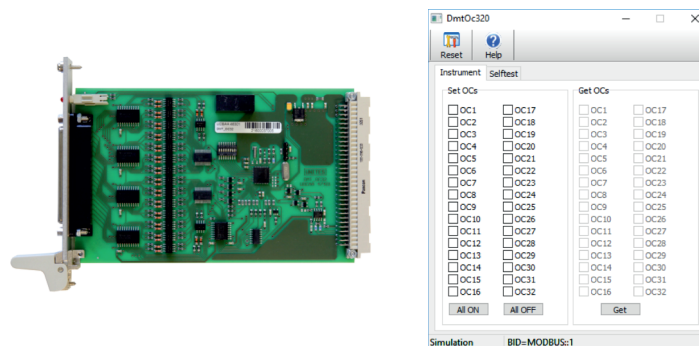
#### DMT\_VM

- Voltmeter ranges 100 mV, 1 V, 10 V, 100V
- 2 x 16 or 4 x 8 Relay Matrix 48V/250mA
- 1 x SSR 48V/1A
- 16 x OC-Switch 45V/250mA
- 16 x Dig-Input read (OCx to OCGND connection)
- Selftest on board



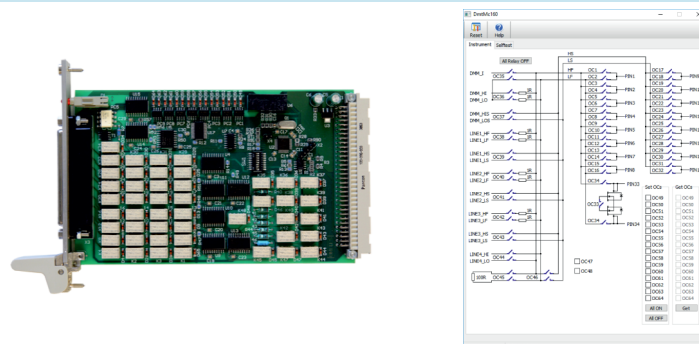
#### DMT\_OC32

- I/O card
- 32 x Open collectors 45V/250mA
- 32 x Input read (OCx to OCGND connection)
- On-board selftest



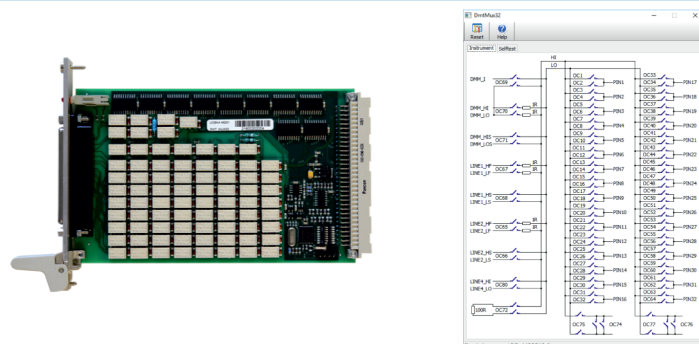
#### DMT\_MC16

- 2 x 16 or 4 x 8 Relay Matrix 48V/250mA
- 1x SSR 48V/1A
- 16 x OC-Switch 45V/250mA
- 16 x Inputs (OCx to OCGND connection)
- On-board selftest



#### DMT\_MUX32

- 2 x 32 Relay matrix 48V/250mA
- 2 x Relay contact 48V/1A
- On-board selftest

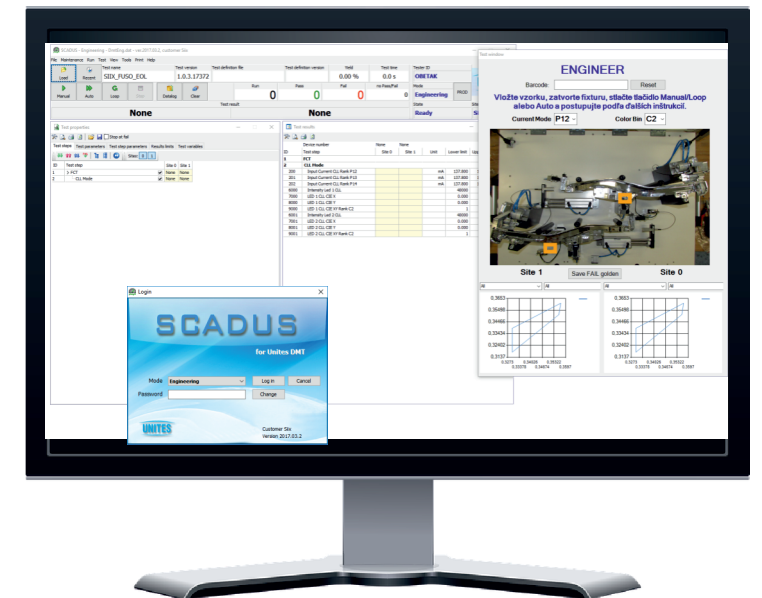


### SOFTWARE

#### SCADUS

SCADUS (Smart Control And Development Universal Software) runs on Microsoft Windows hence providing an easy-to-use solution for controlling the tester. It allows 2 modes of operation – Engineer and Operator mode. It also contains debugging tools such as Visual Debugger which helps the engineer to debug testing tasks.

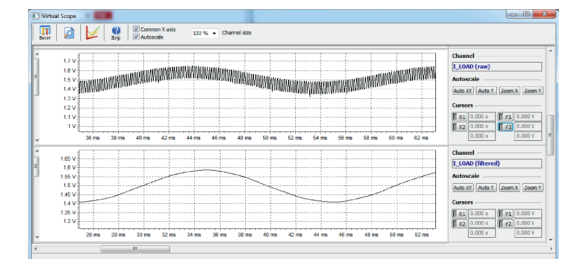
- Engineer / Operator mode
- C# based application tests
- Datalogging
- Supports customer traceability systems
- Customizable GUI



#### SCADUS / VIRTUAL SCOPE

Visualisation of measured signals in time domain

- Visual instrument implemented in SCADUS
- Unlimited number of channels (depending on digitizer model)
- Cursors for Time & Range domain
- Deltas for Time & Range domain



#### SCADUS / DATALOG

Embedded tool for automatic data collection

- Export to standard data formats (XLS, CSV, PDF, STDF etc.)
- Histogram & Trend charts
- Auto + Manual mode
- Various statistics including Cpk and Cgm parameters

#### SCADUS / OTHER MODULES

- Visual debugger
- Selftests
- XY regions for LEDs
- Configurable Test Parameters
- Counters
- Test time
- Visual Instrument Panels
- C# based application tests