

PROFiTEST® PSI-E

PROFiTEST® PSI-BC

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PROFiTEST® PSI-E and PROFiTEST® PSI-BC

- 3 functions in a single instrument:
Printer, memory and data interface
- Report functions:
Numeric entry of building and electrical circuit identification
- The print-out of A4 format reports at a Centronics printer is possible with the help of a printer adapter (accessory).

PROFiTEST® PSI-BC

- Expanded report functions:
Alphanumeric entry of building, distribution, RCCB and electrical circuit identification, as well as errors or
- entry via barcode scanner



Features

The PROFiTEST® PSI-E (Printer Storage Interface) module is used as an output unit for the PROFiTEST® 0100S-II test instrument (and PROFiTEST® 0100S), and functions simultaneously as a printer, a memory and a data interface. The module is securely fastened to the test instrument by means of two snap hooks.

Values measured with the PROFiTEST® 0100S-II are transmitted to the PSI module via infrared light and stored to memory. Optical data transmission through the housing allows for electrical isolation of the test instrument from the PSI module, and thus assures a high level of electrical safety.

Data Storage

The memory at the PSI module is large enough to store approximately 4400 measurement values from 200 electrical circuits. Identification numbers can be assigned with the keypad at the PSI module in order to assure the unambiguous assignment of measurement values to the corresponding buildings (construction sites, building stories etc.) and electrical circuits.

Report Generation

The measurement values from all registered electrical circuits can be viewed in tabular form at the test instrument display, and can be printed out with date and time onto a recording chart by simply pressing a key. These measurement value tables can, for example, be attached directly to approval reports.

Data Interface

The PSI module is equipped with an RS232 interface. The interface allows for subsequent uploading of stored data to a PC independent of the test instrument, where they can be processed with PS3 oder PC.doc-win software. In addition, the DA-II adapter allows for the print-out of A4 format reports at Centronics printers.

Applicable Regulations and Standards

IEC 61 010-1 DIN EN 61 010-1 VDE 0411-1	Safety requirements for electrical equipment for measurement, control and laboratory use – General requirements
IEC 61 326 EN 61 326	Electromagnetic Compatibility (EMC)
DIN EN 60 529 VDE 0470 Part 1 DIN 19241	Test instruments and test procedures – Protection provided by enclosures (IP code) RS232 standard

PROFITEST® PSI-E

PROFITEST® PSI-BC

Characteristic Values

Data Memory

Storage 32 kByte RAM
for 200 electrical circuits

Printer

Type 4 needle print matrix
Width 40 characters per line

Ambient Conditions

Operating Temp. 0 °C ... +40 °C
Storage Temperature – 20 °C ... +60 °C, except for
batteries, paper and printer ribbon
Humidity max. 75 % relative humidity,
no condensation allowed
Altitude max. 2,000 m

Power Supply

Battery Voltage 4.6 ... 6.5 V
Data Buffer ≥ 3.5 V
Source four 1.5 V batteries per IEC LR 6
(alkaline manganese)

Mechanical Design

Housing Protection IP 20
Dimensions 150 mm x 58 mm x 68 mm
Weight approx. 0.4 kg with batteries

Data Interface

Type serial RS232 per DIN 19241
Baud Rate 9600
Parity none
Data Bits 8
Stop Bits 1

Standard Equipment

- 1 PROFITEST® PSI-E or PROFITEST® PSI-BC module
- 1 Set of batteries
- 2 Rolls recording chart paper (one as replacement roll)
- 2 Printer ribbon
- 1 Operating instructions

Comparison: PSI-E versus PSI-BC

Feature	PROFITEST® PSI-E	PROFITEST® PSI-BC
Entry for Building Identification	3 place numeric	6 place alphanumeric
Entry for Distribution System Identification	—	3 place alphanumeric
Entry for RCCB Identification	—	2 place alphanumeric
Entry for Electrical Circuit Identification	3 place numeric	3 place alphanumeric
Entry of identification numbers via barcode scanner	—	with B3261 (accessory)
Number of Measurement Values per Electrical Circuit for Insulation Resistance Measurement	1	2
Possible Error Entries	—	3 selectable possibilities
Entry for Existing Number of Electrical Circuits	—	3 place numeric
Report Generation Software	PS3, PC.doc-win	PS3, PC.doc-win

Order Information

Designation	Type	ID Number
PSI Module	PROFITEST® PSI-E	M522A
PSI Module with expanded entry and report generating facilities	PROFITEST® PSI-BC	M522D
Barcode scanner	B3261	Z720A
Barcode and label printer, including software	Z721D	Z721D
Printer adapter for connection of a printer with Centronics interface to PROFITEST® PSI-E or PROFITEST® PSI-BC	DA-II	Z745M
PC Evaluation Software		
Software for maintenance and electric and electronic equipment management	PS3	
Device driver to read out measured values from test instruments of the PROFITEST® 0100S-II series	PS3 device module	Z530A
Report management	PS3 basic module	Z531A
Management of electric and electronic equipment (Prerequisite: device module and basic module)	PS3 add-on module ¹⁾	Z531B
LH Navigator + LH Viewer	PS3 additional module ²⁾	Z531C
Client capability	PS3 additional module ²⁾	Z531D
Outdoor and network	PS3 additional module ²⁾	on request
Inventory management	PS3 additional module ²⁾	Z531E
Barcode printing	PS3 additional module ²⁾	Z531J
Maintenance management	PS3 additional module ²⁾	Z531K
Test report generating software (Windows software on floppy disc including interface cable for RS232)	PC.doc-win	Z710F
Consumables		
1 pack recording chart paper (10 rolls)	PS-10P	GTZ 3229 000 R0001
1 pack printer ribbons (10 ea.)	Z3210	GTZ 3210 000 R0001
Set of labels for barcode and label printer	Z722D	Z722D

¹⁾ Prerequisite: device module and basic module

²⁾ Prerequisite: device module and basic module and add-on module

Please refer to our *Measuring Instruments and Testers catalog* for additional information concerning accessories.

PC Software for PROFiTEST® 0100S-II

PS3 Intelligent Modular Software for Test Instruments

PS3 imports measurement data acquired with test instruments, and automatically assigns them to tasks such as testing, maintenance or inspection. Ready-to-sign test reports and instrument transfer reports are thus completed with just a few work steps in a very short period of time.

Standard tasks such as the import of measurement data and report printing are managed by the basic software module and the device module.

Additional tasks such as deadline monitoring, test data history, the selection of any desired data and list generation, right on up to complete object management (devices and buildings) with inventory management, work orders and repairs are accomplished with the add-on module and any required additional modules.

Device Modules

Device modules allow for the read-out of measured values from test instruments from the following device series: PROFiTEST®, METRISO®, GEOHM®C and SECUTEST®.

Basic Module

In combination with a device module, the basic module allows for the read-in of measurement data from test instruments, the maintenance of inventory data and reports printing. Data can be read in from any number of test instruments of a given type with the device module. The basic module can also be enabled to interact with additional device modules so that only a single basic module is required for all device types.

The following hierarchical levels are available:

“Electrical circuit”, “distributor” and “building” for the following test instruments:

- PROFiTEST® PSI (all)
- PROFiTEST® C
- METRISO® C
- GEOHM® C

“System” for the following test instrument

- SECUTEST® (all)

Machines / systems

- PROFITEST 204

All relevant data for the last performed test are saved and displayed in the “activities” index card. Data from previous tests are overwritten in the basic module when a new test is performed (no history).

“Reports Print-Out – PS3” assigns measurement data from the last performed test to the hierarchical levels for the appropriate test instrument.

Additional entries can be made to the registry cards by activating the “reports” button” before the respective report is printed out. Selection can be made from a variety of form templates.

Add-On Module

The add-on module expands the basic module with several convenient functions which facilitate administration, processing and the read-out of data, and increases efficiency as well. The following additional functions are included with the add-on module:

- **Deadline Monitoring**
“Deadline” index card for monitoring deadlines and carrying them forward, with expired deadline alarm.
- **History**
Any number of (previously performed) tests can be saved to the “activities” index card and managed.
- **Batch Printing**
A batch function allows for automatic overnight printing of innumerable reports.
- **Forms Generator**
Included report templates can be changed with the forms generator, and new forms can be created.

The add-on module can only be used after having installed and enabled the basic module and at least one device module at your PC.

Additional Modules

The following additional modules are available for convenient management of large quantities of data:

- The **LH Navigator** allows users to locate objects in any hierarchical level, and to represent them in freely configurable lists or index cards.
Bitmap and JPEG files (letters, documents, photos and drawings) can be attached to any index card with the help of the documents administration function, and their contents are displayed by the **LH Viewer**.
- **Client capability** allows the user to manage an unlimited number of customers in his own personalized file.
- Functions such as inventory transactions, purchasing, requirements planning, deadlines monitoring, dunning etc. are significantly simplified with **STORE inventory management**.
- The easy to use **REMOTE test software module** facilitates the recording of measurement data and controls SECUTEST series test instruments.
- A **network version** is also available upon request.

Additional modules can only be used after having installed and enabled the basic module, at least one device module and the add-on module at your PC.

System Requirements for PS3

- Windows PC with 300 MHz Pentium processor or higher
- MS Windows 95, 98 or NT 4.0
- 64 MB RAM for Win 95 or 98; 128 MB RAM for Win NT 4.0
- CD ROM drive
- Approximately 150 MB hard disk space (not including data)
- Floppy disk drive or e-mail for downloading control and enable files

PROFITEST® PSI-E PROFITEST® PSI-BC

Red index card corner:
Data are available here.

Index card system
assures clarity.

All common
approval reports
can be generated.

Freely selectable
index cards

Link to test
instruments

LH Viewer Light
displays Bitmaps
and JPEG images

The screenshot displays the software interface with three main windows:

- PS3 (Main Data Form):** Contains fields for 'Stromkreisbez.: Hausanschlußraum', 'Stromkreis-Nr.: A03', 'FHD: GMC-HAUS01-UU1-Q1', 'Stromkr.-ID: GMC-HAUS01-UU1-Q1-A03', and various technical specifications like 'Fläche-ID', 'Raum-ID', 'Ebene-ID', 'Gebäude-ID: GMC-HAUS01', 'Kunden-ID: GMC', 'Überstrom-Schutzeinrichtung', and 'Leitung/Kabel'.
- LHViewer Light:** Displays a photograph of an electrical cabinet with various components and wiring.
- LHNavigator:** Shows a hierarchical tree view of the system structure and a table of circuit cards.

Stromkreisbez.:	Stromkreistyp:	Stromkr.-ID:
Wohnzimmer		GMC-HAUS01-UU1-Q1-A01
Küche		GMC-HAUS01-UU1-Q1-A02
Hausanschlußraum		GMC-HAUS01-UU1-Q1-A03
		GMC-HAUS01-UU1-Q1-A04
		GMC-HAUS01-UU1-Q1-A05
		GMC-HAUS01-UU1-Q1-A06
		GMC-HAUS01-UU1-Q2-A07
		GMC-HAUS01-UU1-Q2-A08

LH Navigator:
Rapid overview of
customers, buildings,
distributors, electrical
circuits and systems /
devices

Frequently required
entries can be
specified
automatically

Freely definable
column layout

Automatic branching
to corresponding
electrical circuit card
or any other
hierarchical level is
accomplished by
double clicking

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