

PROFiTEST® PSI-E

PROFiTEST® PSI-BC

PROFITEST | SI-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

PROFITEST | SI-BC

- same as PROFiTEST® PSI-BC, but without printing system



Features

The PSI (Printer Storage Interface) module PROFiTEST® PSI-E and/or PROFiTEST® PSI-BC is used as an output unit for the test instruments PROFiTEST® 0100S, 0100S-II as well as **PROFITEST | ONE** and functions simultaneously as a printer, a memory and a data interface.

Contrary to the PSI module, the SI module **PROFITEST | SI-BC** does not have an internal printer.

The (P)SI module can be directly attached and secured to the test instrument with two snap hooks.

Values measured with the test instrument within an electrical circuit are transmitted directly to the (P)SI module with an infrared transceiver diode and stored there to memory.

Data Storage

The memory at the (P)SI module is large enough to store approximately 4400 measurement values from 200 electrical circuits. Identification numbers can be assigned with the keypad at the (P)SI 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 (except for PROFITEST | SI-BC)

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 (P)SI 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 the PS3, WinProfi, PC.doc-WORD™ or PC.doc-ACCESS™ software.

In addition, the DA-II adapter allows for the print-out of A4 format reports at Centronics printers.

Module Comparison

Feature	PROFiTEST® PSI-E	PROFiTEST® PSI-BC PROFITEST SI-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, WinProfi, PC.doc-WORD™, PC.doc-ACCESS™	PS3, WinProfi, PC.doc-WORD™, PC.doc-ACCESS™

PROFiTEST® PSI-E

PROFiTEST® PSI-BC

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
DIN EN 61 326 VDE 0843 Part 20	Electrical equipment for measurement, control and laboratory use – EMC requirements
DIN EN 60 529 VDE 0470 Part 1	Test instruments and test procedures – Protection provided by enclosures (IP code)
DIN 19241	RS232 standard

Characteristic Values

Data Memory

Storage 32 kByte RAM
for 200 electrical circuits

Printer (PROFiTEST® PSI-E and PROFiTEST® PSI-BC)

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, PROFiTEST® PSI-BC or PROFITEST | SI-BC module
- 1 Set of batteries
- 2 only PSI-E and PSI-BC: rolls of recording chart paper (one as replacement roll)
- 1 only PSI-E and PSI-BC: printer ribbon
- 1 Operating instructions

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
Same functions as PROFiTEST® PSI-BC, but without printing system	PROFITEST SI-BC	M522E
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, PROFiTEST® PSI-BC and/or PROFITEST SI-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 and PROFITEST ONE 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
Inventory management	PS3 additional module ²⁾	Z531E
Outdoor function (multiple licences)	PS3 additional module ²⁾	on request
Fault alarm module	PS3 additional module ²⁾	on request
Barcode module	PS3 additional module ²⁾	Z531J
Maintenance management	PS3 additional module ²⁾	Z531K
Statistics	PS3 additional module ²⁾	Z531L
Network (multiple licences)	PS3 additional module ²⁾	on request
Report generation and management of test data of electrical devices and systems with SECUTEST® SII/SIII, PROFiTEST® 0100S-II, PROFITEST ONE, PROFiTEST® C, and METRISO® C	PS3-compact	Z530K
PC software for the generation of reports and lists in addition to MS WORD, German/English/French/Finnish language versions	PC.doc-WORD™ D)	Z714A
PC software for the management of test data in addition to MS ACCESS, German/English language versions	PC.doc-ACCESS™ D)	Z714B
Upgrade of PC.doc win/med ... to PC.doc-WORD™	PC.doc upgrade D)	Z714C
Consumables		
1 pack with 10 rolls of recording chart paper (length: 6 m each)	PS-10P	GTZ 3229 000 R0001
1 pack with 10 printer ribbons	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

For additional information concerning accessories, please refer to

- the Measuring Instruments and Testers catalog
- our website www.gossenmetrawatt.com.

PC Software for PROFiTEST® 0100S-II and PROFITEST | ONE

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.
- **Lists Generator**
Indicates all objects which are due for periodic testing during the next month, complete list of a customer’s tested equipment including measured values, complete list of equipment in the form of barcodes, list of all objects which have failed the periodic tests, etc.

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.

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 several key components:

- Stromkreisbez.:** Hausanschlußraum
- Stromkreistyp:** _____
- Stromkreis-Nr.:** A03
- Stromkr.-ID:** GMC-HAUS01-UU1-Q1-A03
- FHD:** GMC-HAUS01-UU1-Q1
- Gehört zu:** _____
- Verteiler-ID:** GMC-HAUS01-UU1
- Fläche-ID:** _____
- Abteilung:** _____
- Raum-ID:** _____
- Hersteller:** _____
- Ebene-ID:** _____
- Kd-Dienst:** _____
- Gebäude-ID:** GMC-HAUS01
- Lieferant:** _____
- Liegen-ID:** _____
- Verantwortl.:** _____
- Kunden-ID:** GMC
- Beauftragter:** _____
- Bemerkung:** _____
- Überstrom-Schutzeinrichtung:**
 - Art/Charakt.:** B
 - IN:** 16 (A)
 - FI-Schalter IN:** 40 (A)
- Leitung/Kabel:**
 - Art:** NYH
 - Leiteranzahl:** 5
 - Querschnitt:** 2,5 (mm2)

LH Navigator:

Stromkreisbez.	Stromkreistyp:	Stromkr.-ID:
Wohnzimmer		GMC-HAUS01-UV1-Q1-A01
Küche		GMC-HAUS01-UV1-Q1-A02
Hausanschlußraum		GMC-HAUS01-UV1-Q1-A03
		GMC-HAUS01-UV1-Q1-A04
		GMC-HAUS01-UV1-Q1-A05
		GMC-HAUS01-UV1-Q1-A06
		GMC-HAUS01-UV1-Q2-A07
		GMC-HAUS01-UV1-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

Edited in Germany • Subject to change without notice • A pdf version is available on the internet