

# PROFITEST | SI-BC

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## PROFITEST SI-BC

- 2 functions in a single instrument:  
Memory and data interface
- Report functions:  
*Alphanumeric entry*  
of building, distribution, RCCB  
and electrical circuit identification, as well as errors  
or  
*entry via barcode scanner*



## Features

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

The 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 SI module with an infrared transceiver diode and stored there to memory.

## Data Storage

The memory at the 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 SI module in order to assure the unambiguous assignment of measurement values to the corresponding buildings (construction sites, building stories etc.) and electrical circuits.

## Data Interface

The 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 a PC report generation software.

### PC Report Generation Software

Free starter program for the download from our website, path see order information	PROTOKOLLmanager Professional
Free demo versions for the download from our website, path see order information	PC.doc-WORD/EXCEL™ PC.doc-ACCESS™ ELEKTROmanager PS3 / visual FM

## Input Functions

Feature	PROFITEST SI-BC
Entry for Building Identification	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 alphanumeric
Entry of identification numbers via barcode scanner	with B3261 (accessory)
Number of Measurement Values per Electrical Circuit for Insulation Resistance Measurement	2
Possible Error Entries	3 selectable possibilities
Entry for Existing Number of Electrical Circuits	3 place numeric

## Applicable Regulations and Standards

IEC 61010-1 DIN EN 61 010-1 VDE 0411-1	Safety requirements for electrical equipment for measurement, control and laboratory use – General requirements
DIN EN 61 326-1 VDE 0843-20-1	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General 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
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### Ambient Conditions

Operating Temp.	0 °C ... +40 °C
Storage Temperature	- 20 °C ... +60 °C, except for batteries
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 SI-BC module
- 1 Set of batteries
- 1 Operating instructions

## Order Information

Designation	Type	Article Number
SI Module with comprehensive entry and report generating facilities	PROFITEST SI-BC	M522E
<b>Accessories</b>		
Barcode scanner and printer see separate datasheet „ID systems“		
<b>PC Evaluation Software</b>		
For further details on software, please refer to our website <a href="http://www.gossenmetrawatt.com">http://www.gossenmetrawatt.com</a> (→ Products → Software → Software for testers → Protocol Software)		

For additional information concerning accessories, please refer to

- the *Measuring Instruments and Testers catalog*
- our website [www.gossenmetrawatt.com](http://www.gossenmetrawatt.com).