GOSSEN METRAWATT

Identification Systems
Report Generating Accessories

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Z502F, Z720A and Z751A Barcode Scanners

- Scanning distances of up to 35 cm
- Green Spot technology

Z721E Barcode Label Printer

- High speed device
- Can be integrated into networks

Z751G RFID Read / Write

- Combined read and write system for 13.56 MHz transponders
- RS 232 interface

Z751E RFID Read / Write

- Combined read and write system for 13.56 MHz transponders
- USB-HID interface

Thermal Printer Z721S

- Thermal line dot printer for text
- USB interface



Application

Barcode and RFID identification systems are used to mark and identify tools and equipment.
The scanning devices are exclusively matched to the interfaces included with SECUTEST, PROFITEST, MINITEST, SECUSTAR and SECULIFE test instruments. They forward the scanned code to the respective test device in order to be able to allocate measured values and test results to the device under test in an unequivocal fashion.
ID numbers can be written to RFID tags with the SCANBASE RFID devices (Z751G and E). ID numbers can be printed onto barcode labels with the barcode printer and a PC.

Features

Z720A, Z751A and Z502F Barcode Scanners

These devices are based upon the concept of an instinctive scanning distance and provide best possible reading performance at distances of up to 35 cm. Green Spot technology projects “good-read” indication directly onto the code. The Z720A / Z502F is equipped with an RS 232 port, and the Z751A with a USB port.

Z721E Barcode Label Printer

High performance, fast, PC compatible labeling system. Prints especially high quality, durable labels. The devices is particularly well suited for printing resilient barcode labels.

Z751G SCANBASE RFID: RFID Reader / Writer *

Compact reading and writing device with RS 232 port for programming and reading 13.56 MHz transponders in accordance with ISO15693.

Z751E SCANBASE RFID: RFID Reader / Writer *

Compact reading and writing device with USB port for programming and reading13.56 MHz transponders in accordance with ISO15693.

* configured for German keyboard layout

Applicable Regulations and Standards

DIN EN 61326 **VDE 0843, part 20**	Electrical equipment for control technology and laboratory use – EMC requirements

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Device Overview

					
Designation	**Barcode Scanner**			**RFID Read/Write**	**RFID Read/Write**
Feature: Type / Article no.	Z720A Z720A	Z502F Z502F	Z751A Z751A	SCANBASE RFID Z751E [2) 4)]	SCANBASE RFID Z751G [2) 3) 4)]
Connection interfaces	RS232	RS232	USB	USB-HID	RS232
Connection cable (2 m)	stright	coiled	stright	stright	stright
Frequency	—			13.56 MHz	
Readable codes (selection), RFID tags	UPC-A, Code 32, code 39, code 128, EAN 13 (12 digits) [1)]			ISO15693, Z751R, Z751S, Z751T	
Scanning distance	Max. 350 mm			Approx. 30 mm *	Approx. 30 mm *
Power supply	Via interface			Via interface	
Operating temperature	0 °C ... 50 °C			–10 °C ... 55 °C	
Dimensions	163 x 91 x 41 mm			240 x 120 x 35 mm	
Usable for following devices and product ranges	SECUTEST PSI [5)], SI+ [5)], SECUSTORE, PROFITEST 204, PROFITEST M ..., MINITEST MASTER, MINITEST 3P MASTER, SECUTEST S2N+(10), SECUTEST SIII+, SECUTEST 3PL, SECULIFE ST	SECUSTAR FM, SECULIFE SB, SECUTEST BASE(10)/PRO		SECUSTAR FM, SECULIFE SB, SECUTEST BASE(10)/PRO/**SECULIFE ST BASE** (SECUTEST BASE with database extension and SECUTEST PRO/**SECULIFE ST BASE** enable the user to populate the RFID tags direcly from the test instrument with the help of the programmer.)	MINITEST MASTER, MINITEST 3P MASTER, SECUTEST S2N+(10), SECUTEST SIII+, SECUTEST 3PL, SECULIFE ST, PROFITEST 204, PROFITEST M ..., SECUSTORE

Data and pictures marked with only apply to devices which start with serial numbers G15(E)... and are manufactured and supplied as of August 2015.

*** Note on the scanning distance of RFID reading and writing devices**

The scanning distance is proportional to the size of the RFID tag. The minimum diameter of a disc transponder should not be less than 16 mm. A rod-type transponder with ferrite should not be shorter than 12 mm.

These specifications only apply if the transponder has not been directly glued to metal. The fitting on metal reduces the scanning distance considerably.

1) For more decoding options refer to the table on the following page
2) In order to program the RFID tags, the respective RFID scanner/programmer must be connected to the PC by using the software which is available on the attached CD ROM.
3) Please note: Z751GA requires a special RS232 cable and power supply unit which are both available from our Customer Service Center. The contact address is given on the last page.
4) configured for German keyboard layout
5) see footnote (*) on page 4



Note:
Operation with a SECUTEST... test instrument (M7050...) requires firmware version 1.8.3 or higher.

Designation	**Barcode Label Printer for SECUTEST... (M7050...)**
Type / Article no.	Z721E
Connection interfaces	To PC/Smartphone/Tablet (Windows, Mac, Linux): USB, WLAN
Text entry	Via PC keyboard
Codings	Code39, Code128, EAN13, Text, QR Code*, Micro QR Code, DataMatrix, Aztec
Print sizes	max. 32 mm
Label tape	TZe, HGe, HSe, STe, FLe
Label tape width	max. 36 mm
Print resolution	360 x 720 dpi
Printing speed	Up to 80 mm per second
Power supply	Power pack
Weight	1.48 kg
Dimensions	118 x 192 x 146 mm

* QR CODE is a registered trademark of DENSO WAVE INCORPORATED



Designation	**Thermal Printer for SECUTEST... (M7050...)**
Type / Article no.	Z721S
Connection interfaces	To the PC: USB, IrDA, RS232
Method	Thermal line dot printing
Fonts	Extended graphics character set
Paper width	112 mm
Printing width	104 mm
Print resolution	8 Pixel/mm
Printing speed	90 mm/s
Power supply	Power supply adapter with mains cable
Weight	0,5 kg
Dimensions	15 x 14 x 6 cm (W x D x H)

More Decoding Options for Z720A, Z502F and Z751A

Code types	Codes in detail
1D codes / linear codes (barcodes)	Automatic recognition of all standard linear codes and linear GS1 DataBar™ codes
2D codes	Aztec Code; Data Matrix; Micro QR Code; QR Code [1]
Post codes [2]	Australian Post; British Post; Canadian Post; China Post; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
Staple codes [2]	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites

1 QR CODE is a registered trademark of DENSO WAVE INCORPORATED
2 Clearing on request

Accessories Overview

				No photo		
Designation	**RFID Tag**				**Label Tape Cartridge**	
Type Feature Article no.	Z751R Z751R	Z751S Z751S	Z751T Z751T	ZxxxX ZxxxX	Z722D Z722D	Z722E Z722E
Usable for following devices	Z751E, Z751G				Z721E	
Frequency	13.56 MHz			125 kHz	—	
Chip	ICODE SLI with 1 kBit data memory				—	
Writing cycles	100,000				—	
Reading cycles	Unlimited				—	
Material	ABS				—	
Temperature range	–20 ° to +60 °C				—	
Standard	ISO 15693			HITAG1, 2, S, Q5, Titan, Atmel5577, EM-4XXX	—	
Type	Dia. approx. 22 mm, self-adhesive (the photos show the front, as well as the adhesive back)	Dia. approx. 30 mm thickness 2 – 3 mm with 3 – 4 mm hole	Pigeon ring, dia. approx. 7.5 mm	Upon request	Cartridge	
Quantity per package	500 pieces		250 pieces	1000 pieces	1 set of labels includes the following label tape cartridges: 3 x 24 mm wide, 1 x 18 mm wide, 1 x 9 mm wide, length: 8 m each	1 set of labels includes the following label tape cartridges: 5 x 18 mm wide, length: 8 m each

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Order Information

Description	Type	Article Number
Barcode Scanners		
Barcode scanner for RS 232 connection (laser sensor), variable barcode length, enhanced reading accuracy	Z720A *	Z720A
Barcode scanner for RS 232 connection (laser sensor), variable barcode length, enhanced reading accuracy, with coil-cable	Z502F *	Z502F
Barcode scanner for USB connection	Z751A *	Z751A
Barcode Label Printer		
Barcode and label printer including 36 mm laminated TZe tape (black on white, length: 8 m), mains adapter, USB cable and manual, editor software free downloading	Z721E	Z721E
Accessories		
Label set for Z721E barcode and label printer (qty. x width: 5 x 18 mm, 8 m long each)	Z722E	Z722E
RFID Readers / Scanners		
RFID read/write for USB connection (frequency: 13.56 MHz)	SCANBASE RFID	Z751E
RFID read/write for RS 232 connection (13.56 MHz)	SCANBASE RFID	Z751G
Accessories		
RFID tags per ISO 15693, dia. approx. 22 mm, self-adhesive, 500 pcs.	Z751R	Z751R
RFID tags per ISO 15693, dia. approx. 30 mm, thickness 2 – 3 mm with 3 – 4 mm hole 500 pcs.	Z751S	Z751S
RFID tags per ISO 15693, pigeon ring, dia. approx. 7.5 mm, 250 pcs.	Z751T	Z751T
RFID tag (125 kHz), shape as requested, 1000 pcs.	ZxxxX	ZxxxX
Thermal printer for SECUTEST... (M7050...)		
Thermal printer for printing out test reports; inkl. manual on CD, Lithium-Batterie, power supply adapter, mains cable, 1 role of Thermopaper	Z721S	Z721S
Accessories		
Thermo paper for Z721S; 10 roll of thermo paper, Ø 12/50mm, 30 m x 112 mm	Z722S [D]	Z722S

* Connection with a SECUTEST (P)SI+ module up to and including year of manufacture 2015 (up to serial number AZ..) requires a retrofit of the SECUTEST (P)SI+ module. Please contact our service for this purpose at: www.gmci-service.com

[D] Data sheet available

For additional information regarding accessories please refer to:

- The data sheet for the respective device or our Measuring Instruments and Testers catalogue.
- *www.gossenmetrawatt.com*

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