

REA ScanCheck 3

Verify your bar codes and be sure of a high first scan rate

REA ScanCheck 3

A bar code quality control device

*Is time wasted at
check out because
of poor bar codes?*



*Does your automatic sorting
throw out too many pieces
because of bar codes like these?*



- Non-Contact verification by a laser scanner designed for verification
- Meets ISO/IEC 15416 and incorporates optional parameters
- Designed to verify high and low density bar codes
- Powered by rechargeable batteries to ensure portability
- Automatic bar size determination and verification
- Short information for Good, Warning or Fail by red, yellow or green LED
- Large colour display for ergonomic use

**REA ScanCheck 3, the all-round bar code verifier for
production and quality management.**

**Don't be satisfied with incomplete information
about your bar codes**

REA ScanCheck 3n

The REA ScanCheck 3n is an universal high performance bar code verifier which meets to ISO standards.

It produces reports which allow to proof that quality agreements are fulfilled. Automatic size determination provides easy use and user independent verification. The measuring system is based on a laser scanner system adapted to the requirements for verification. This technique leads to contactless measurements. The power supply is provided by standard AA rechargeable batteries. This allows fully portable operation.

The REA ScanCheck 3n supports German, English, and French. Other languages can be added by the aid of a translation tool.

For quick and ergonomic operation the REA ScanCheck 3n is equipped with a large colour display and a powerful 32bit CPU.

Reports can be stored locally or saved on a PC using an Ethernet interface and the REA TransWin32 software. Additionally the REA ScanCheck 3n allows connecting a portable battery powered report printer.

The REA ScanCheck 3n includes always a GS1-128 data content checker with no extra price.

Hardware options:

Report printer REA TD-GPT-U

The portable thermal printer is connected by an USB cable to the REA ScanCheck 3n. The printer has its own power supply by using an internal rechargeable battery pack. The printer uses 57 mm wide thermal paper. The paper roll is fixed inside and cannot fall out while using the printer portably.

The printer is able to print the scan reflectance profile.

20 mil Adaptor

To be able to measure large codes like ITF-14 or other codes on transport labels the measuring size can be increased to 175mm and the aperture to 20 mil by the aid of the 20 mil adaptor.

Lengthening plates

As positioning aid and in order to keep labels in the correct distance and angles there are two different lengthening plates available. The plates are mandatory for curved surfaces and objects with no space to position the REA ScanCheck 3n correctly. These plates can be easily exchanged by a snap-in mechanism.

Features:

- Powerful 32bit ARM9@ CPU
- Contactless measurement by laser scanner technology
- Easy software update by Flash-ROM technology
- Software option upgrade by access codes
- Password protection for setup
- Multilingual user interface
- Auto discrimination of major bar codes
- Order number assignment
- Memory for 500 reports, provided by a MMC Card
- Full analysis to ISO, ANSI and CEN standards
- Additional analysis of optional parameters including a detailed metric evaluation
- Selectable PCS evaluation for best and worst

contrast case

- Optional parameters can be graded, viewed non-graded or disabled
- Averaging of up to ten scans. Count of non decoding scans in average measurement
- Automatic size measurement and verification
- Verification of light margins
- Wide to narrow ratio measurement for two-bar- width bar codes
- In conformance to ISO/IEC 15426-1

Software options:

Optional symbologies

Additional bar code symbologies. Special codes for i.e. health industry and for parcel services.

REA TransWin32

A data capture program for Windows PCs. This enables the verification reports to be displayed, saved and printed on a PC. Additionally the REA ScanCheck 3n can be remotely configured by TransWin32. REA TransWin32 is designed for PCs with Windows 2000, XP and VISTA.

REA Article Look Up

This option allows an article description to be shown on the display of the REA ScanCheck 3n. Each article can be assigned with price and date fields. The date fields will be compared with the date in a GS1-128 bar code. If the encoded date is outside of the range specified in the Article Look Up the REA ScanCheck 3n will show an error message. This function is very useful to extend bar quality control with the verification of data like "best before use".

Comparator

This option allows the comparison between a master code and the verified codes. If the verified code content is not identically with the preset, the REA ScanCheck 3n shows an error message.

REA Elektronik GmbH

Technical data

- **CPU:**
ARM9 @ 32bit, 180MHz
- **Operating System:**
ElinOS
- **Memory:**
FlashROM: 16MB, RAM 32MB, 512 MB MMC card
- **Light source:**
Laser Class 2, 670 nm
- **Scan speed:**
approx. 45 Scans/s,
1 Mirror of 10 is used
- **Aperture:**
selectable 6, 8, 10 and optionally 20 mil
- **max. Scan Width:**
140mm incl. quiet zones
175mm with 20 mil adapter
- **Laser security:**
EN 60825
- **Evaluations:**
According to ISO/IEC 15416,
ANSI X3.182 and symbology standards
- **Software Options :**
Comparator, Article Look Up,
TransWin32, optional codes
- **Symbologies:**
EAN-13, UPC-A, UPC-E
with/without ADD-ON, EAN-8,
2/5 Interleaved with/without
check code, ITF-14 Frachtpost,
Code 39 with/without check
code, PZN, Code 32, Code 128,
GS1-128 with/without check of
content, GS1-Databar,
GS1- Databar stacked
 - **Optional symbologies:**
2/5 3 Bars, 2/5 5 Bars, 2/5
IATA, 2/5 Baggage, 2/5 DHL
Express (Frachtpost-Code),
Code39 Full ASCII, Code93,
MSI, Plessey, Code128UPU,
Code39UPU, Code39HIBC,
Code128HIBC, Codabar
Monarch (18), LAETUS
Pharmacode, LAETUS
MiniPharmaCode
- **Interfaces:**
Printer via USB socket, type A
- PC interface by a RJ45 Ethernet
socket using a standard
Ethernet patch cable
- **Batteries:**
4 x 1.2 V / 2.100 mAh, NiMH,
rechargeable, type AA
- **Power supply: PoE type**
110-240V, 50-60Hz, 0,25A
48VDC / 0,3A,
charging included
Power is supplied over Ethernet
interface
- **Display:**
Colour TFT Display, 320 x 240
Pixel, graphics
- **Keyboard:**
21 Keys
- **Housing:**
Aluminium, black painted
- **Temperature:**
Operation 0° C - +40° C
Storage -20° C - +70° C
- **Humidity:**
max. 80 % relative, not
condensing
- **Size:**
222 x 85 x 134 mm (L x W x H)
- **Weight:**
1.115 g, including batteries
- **Maintenance:**
monthly calibration required

Alterations reserved -06/2009

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