

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?



- Contactless 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 Good, Warning or Fail by red, yellow or green lights
- Large colour display for ergonomic use

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

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

REA ScanCheck 3

The REA ScanCheck 3 is a 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. These allow full portable operation. The REA ScanCheck 3 supports German and English. Other languages can be added by the aid of a translation tool.

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

Reports can be stored locally or saved on a PC using a USB/Network device and REA TransWIn32 software. Additionally the REA ScanCheck allows connecting a portable battery powered report printer.

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

The printer is able to print the scan reflectance profile.

20 mil Adaptor plate

To be able to measure large codes like ITF-14 or other codes on transport labels the measuring aperture can be increased 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 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 3 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
- Multilanguage user interface
- Auto discrimination of major bar codes
- Order number assignment
- Memory for 100 reports, expandable by 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 margin
- Wide to narrow ratio measurement for two-bar- width bar codes



Software options

Optionale Symbolologies:

Additional code symbolologies. Special codes from 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 3 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 3. 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 3 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 3 shows an error message.



Technical data
REA ScanCheck 3

CPU: ARM9 @ 32bit, 180MHz
Operating System: ElinOS
Memory:: FlashROM: 16MB, RAM 32MB,
expandable by an internal MMC card
Light source: Laser Class 2, 670nm
Modulation: 5 MHz
Scanspeed: appr. 45 Scans/s, 1 Mirror of 10 is used
Aperture: selectable 6, 8, 10 and optionally 20 mil
Laser security: EN 60825

Evaluations: According to ISO/IEC 15416, ANSI X3.182 and symbologies 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, **new:** GS1-Databar

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-connection by 6-pin STEWART Compu-Shield plug

Batteries : 4 x 1.2 V / 2.700 mAh, NiMH, rechargeable, type AA

Power supply: DC 9 Volt / 0,5A operating / 3A max charging included
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, non condensing

Size: 222 x 85 x 134 mm (L x W x H)
Weight: 1.115 g, including batteries

Maintenance: monthly calibration required
Cleaning: Lens and redlight exit window with a non nappy cloth only.

Power supply for REA ScanCheck 3

Input voltage: 100 –240 Volt AC / 47 – 63 Hz, 700mA
Output voltage: 9 V / 3 A, electronic regulated, short cut resistant

Case: Plastic ABS, black

Temperature: Operation 0 °C - +65 °C
Storage -20 °C - +65 °C

Humidity: max. 80% relative, not condensing

Size: 100 x 80 x 65 (W x L x H)
Weight: 300 g

Maintenance: Maintenance free

Primary socket: available for US, UK or EURO power plug standards, others on request

Thermal printer REA TD-GPT-U

Batteries: NiMH-Battery pack 4,8V, 1.500 mAh, rechargeable

Case : Plastic PC/ABS with 15 % Glass fibre, black
Interface : Mini-USB-plug for REA ScanCheck 3 connection
Power Connector: Low voltage barrel connector
Power supply: 6 V DC, not regulated , 800 mA
Printer: Direct thermal using a fixed thermal print head
Resolution: 8 dots / mm (203 dpi), 384 dots in one print line
Speed: max. 50 mm/s / 16 lines/s, 3 mm height
Paper: direct thermal, wood free
Paper width: 57,0 mm +/- 0,5 mm
Diameter: max. 31 mm, Core 7 mm, length about 11m for 60g/m²
Print width : max. 48 mm

Temperature: Operating 0 °C - +50 °C
Storage -20 °C - +65 °C
Humidity: 80 % relative, not condensing

Size: 159 x 89 x 46 mm (L x W x H)
Weight: 350 g

Plug in charger for direct thermal printer REA TD-GPT-U

Only for in-house use
Input Voltage 230 Volt AC / 50 Hz, 7,9W
Output Voltage 6 V AC / 0,5 A, 3VA
Connection: primary Euro power plug, others on request
Secondary: low voltage barrel connector 5 mm, 2.5 mm

Case : ABS plastic
Temperature: Operation 0 - +50 °C
Storage -20 °C - +65 °C
Humidity: max 80% relative, not condensing
Size: 55 x 48 x 80 mm (L x W x H)
cable length 170 cm
Weight: 240 g
Maintenance: Maintenance free

REA Elektronik
GmbH

Teichwiesenstrasse 1
D-64367 Mühlital

Tel. ++49 (0)6154-638 0
Fax. ++49 (0)6154-638 195
E-Mail: reainfo@rea.de
Internet: <http://www.rea.de>