REA VERIFIER

QUALITY CONTROL DEVICES
FOR MATRIX- AND BARCODES

REA ScanCheck 3

Mobile quality check of bar codes

REA ScanCheck 3
Easily scan printed bar codes on site

VERIFY

The REA ScanCheck 3 is a universal, battery-operated, high-performance bar code verification device which operates in accordance with current standards. The verifications document compliance with quality goals in production and monitoring of bar codes on data storage devices and products of all kinds.

The measurement principle is based on a laser scanner optimized for verifications. This makes contact-free measurement, largely independent of handling influences, possible. For mobile use on site, the device operates self-sufficiently, independent of the power network with standard, rechargeable batteries. The operating system and application software support multiple languages.

For quick creation and evaluation of verifications and their comprehensive display, the unit is equipped with a powerful 32-bit processor, a brilliant color graphic display and tone generator. Measurement data can be saved internally in flash memory and/or immediately printed out via the USB interface with the mobile report printer. Data can also be transferred via network communication to a standard PC and processed there further with the – optionally available – REA TransWin 32 evaluation software.

With REA Verifiers, you will find out why the read rates of codes are low. Use it to learn how the print quality of the codes can be evaluated and optimized, using the detailed measurement results.

REA ScanCheck 3

Optional hardware accessories:

REA TD-GPT-U Report printer
This portable, graphics-capable thermal printer can be connected to the REA ScanCheck 3 to print out verification reports via a USB cable. The printer has its own LiIo battery. 57 mm-wide thermal paper rolls are used for printing.

Adapter for measurements with 20 mil
For measurements of very large codes, such as ITF 14 on shipping labels or cartons, the possible measurement width can be widened to 175 mm and the measurement aperture enlarged to 20 mil (0.5 mm).

Extension plates
2 different guide plates are available for better handling when verifying labels on thin films, for example, or on curved or raised surfaces or on cartons. These can simply be clipped onto the base flap.

Optional software expansion:

Optional code types
Enables additional bar code symbologies for special applications, such as in the pharmaceutical industry and healthcare, as well as in postal shipping.

Code comparator function
Enables the expansion of the standard evaluation software so that measured codes can additionally be compared to a master code. If the code type or the decoded character sequence deviates from the master template, an additional error message is generated.

REA Article database 32
Enables expansion of the standard evaluation software with a database and the possibility of being able to depict the article description belonging to the respective code as plain text in the display. In addition, a price field and 4 article-dependent data fields can be added and evaluated for every article in the database – in addition to the article description.

This data can also be inspected for conformity during code verification. If the decoded character sequences deviate from the master templates in the database, an additional error message is generated. These functions are used in foodstuff identification and can be verified in addition to code quality in one verification step.

REA TransWin 32 license for cooperation with the evaluation software for standard PC
With this software program, settings and functions of connected REA Verifiers can be parameterized and controlled remotely via the company network. The generated messages can be accepted, comprehensively displayed, printed out with office printers and further processed electronically. A PC with WINDOWS operating system 2000, XP, VISTA or 7 and a network interface are required for this.

REA VERIFIER

Features:

- Verifier in conformity with ISO/IEC 15426-1
- Contact-free linear scanning with laser technology
- Code verification/evaluation according to the verification specifications ISO/IEC 15416 or ANSI X3.182
- Alternatively with optional parameters according to the respective symbology standards (configurable)
- Specification of desired class or complete verification profile with target/actual comparison
- Multiple measurement with averaging from 2 to 10 single measurements possible
- Auto discrimination of the most important bar code symbologies
- Automatic code size and check digits monitoring
- Verification and visualization of quiet zones with an extended area
- Ratio monitoring for two bar width codes (e.g. Code 39, 2/5i)
- Verification of GS1 General Specification requirements
- Verification/evaluation of GS1-128 data structures
- Multilingual reports and user interface

Verification/evaluation of the following code types is possible:

EAN-13, UPC-A, UPC-E with/without ADD-ON, EAN-8, 2/5 Interleaved with/without check digit, ITF-14, Freight Code 39 with/without check digit, PZN-Code, Code 32, Code 128, GS1-128 with/without content verification, GS1-Databar

Optional code type expansion: 2/5 3 Bars, 2/5 5 Bars, 2/5 IATA, 2/5 Baggage, 2/5 DHL Express (Freight code), Code 39 Full ASCII, Code 93, MSI, Plessey, Code 128 UPU, Code 39 UPU, Code 39 HIBC, Code 128 HIBC, Codabar Monarch (18), LAETUS Pharmacode, LAETUS Mini Pharma Code

Technical Data:

- Bar code verification unit with measurement accuracy in conformity with ISO/IEC 15426-1
- ARM9, 32bit Microprocessor, 180 Mhz, 32 MB RAM, 32 MB Flash ROM, 512 MB-MMC-Flash memory
- Embedded Linux operating system
- Red light illumination with 670 nm semiconductor laser, laser protection class II, <1 mW, from 45°
- Max. measurement width 140 mm, or 175 mm with 20 mil adapter, each incl. bright field zones
- Aperture: 6, 8,10 mil, with adapter 20 mil (equals 0.15; 0.2; 0.25, 0.5 mm)
- Measuring accuracy: +/-5 % for average value; +/-10 % for extreme values; +/-8 % for contrast values
- Connections:
  - RJ45 Ethernet port for power supply and TCP/IP datatransfer,
  - USB 2.0 port for printer connection and for software update
- Color LCD display, 22 short-stroke keys for operation and evaluation on site
- Power supply: internal via 4 NiMH battery cells and/or externally via Power-Over-Ethernet power supply, primary 110-240 V~ with power connection cable for EU, US, UK, 2 CAT5 network patch cables (supplied)
- Dimensions (L x W x H): 222 x 85 x 92 mm
- Weight: 1.115 g
- User maintenance: Instrument is factory calibrated. Recalibration, required monthly or in the case of location or lighting change, with supplied calibration card.
- operation after activation with REA TransWin 32 evaluation software program for PC with MS® Windows 7 operating systems (or later) and .NET Framework or later possible with the following functionalities: Data upload, display, save, parameterization, remote control, print-out

Report printer

Extension plate and 20 mil adapter

REA VERIFIER

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V.09/2019 - Subject to change.