REA VERIFIER

QUALITY CONTROL DEVICES
FOR MATRIX- AND BARCODES

REA Check ER

Small, powerful, portable Verifier
for printed bar codes

REA Check ER
The start of portable bar code verification

The REA Check ER is a portable, battery powered bar code Verifier. Its manufacture in conformity with international standards in Germany.

The REA Check ER has the following unique features:

- compact design
- built-in battery for portable opration
- cable free in portable operation
- large colour display
- built in memory for up to 1000 reports
- USB interface to connect portable printer
- reliable Ethernet communication for PC interface
- DHCP automatic network configuration

The REA Check ER is a combination of a very small device which includes the powerful and comfort features of the REA Verifier product line. The small size and solid State contruction makes this device a perfect tool for portable bar code verification.

The final result Pass or Fail is the central part of the Verification report. The still quick available details allow a fast deeper analysis.

Optional hardware accessory

Report printer REA TD-GPT-U
The printer is connected with an USB cable to the REA Check ER. The printout is a 57 mm wide paper strip. The printer has a built in battery pack to allow a fully portable operation including report print locally on demand.

Software options

REA TransWin 32
Manages report view, saving, export and printing. Additionally TransWin 32 can remote control and configure REA Verifiers. Report Print outs are done on standard office printers (local or network). Via a PDF writer TransWin 32 creates report in PDF file format. TransWin 32 requires a Windows PC for operation.

Optional Symbologies
An additional set of optional bar code symbologies. These symbologies are in use in pharmaindustry, healthcare, postal services and other applications.

Code Compare
This function compares the actually decoded bar code content with a previously stored master code. Equal code contents are accepted. All other combination will cause a failed result. The user can select if the result shall be graded or if the result is shown only informative.

REA Article Database 32
This is a database which assigns to each verified barcode additional article informations. This is i.e. the article description, a price secondary article informations and date informations. Date informations like „best before use“ or „Use until“ can verified individually for each article and lead separate to a pass/fail result if dates in the code are incorrect. In principle Article Database 32 can be configured by the user to provide a fail result if the article does not exist and/or if the date range is incorrect. This additional data base supported code content control replaces a separate control step for this requirement.

REA ScanLink - Data structure analysis
ISO standardization defines a clear user data structure which is encodes in different bar- and matrix codes. REA ScanLink knows this data structures and provides a detailed analysis. Informations about the origin of the code and data fields (Item number, date informationans, Lots, etc) are reported. If a code does not incorporate such a data structure then this is higlighted and reported as an error.

REA Code analysis
In several application of bar- and matrix codes the encoded data follows a proprietary structure (unknown to anybody except the creator). REA Code analysis provides an option to define the structure within a table. Possible to define are field lenghts, numerical or alphanumerical and other attributes. The user transfers the table to the REA Verifier. The process of verifcation checks then in addition if the proprietary data sequence is properly encoded or not. If not an error message appears. This function is not for ISO standardized data structures.

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Code Types

- **Barcodes (1D):**
  EAN-13, UPC-A, UPC-E with/without ADD-ON, EAN-8, 2/5 Interleaved with/without check digit, ITF-14 (Freight code), Code 39 with/without check digit, PZN-Code, Code 32, Code 128, GS1-128 with/without content verification, GS1 Databar (limited, stacked, expanded, expanded stacked, truncated, omnidirectional), GS1 Databar composite
- **Optional Codes (1D):**
  2/5 3 Bars, 2/5 5 Bars, 2/5 IATA, 2/5 Baggage, 2/5 DHL Express (Freight code), Code39 Full ASCII, Code93, MSI, Plessey, Code 128 UPU, Code 39 UPU, Code 39 HIBC, Code 128 HIBC, Codabar Monarch (18), LAETUS Pharmacode, LAETUS Mini Pharma Code

Features

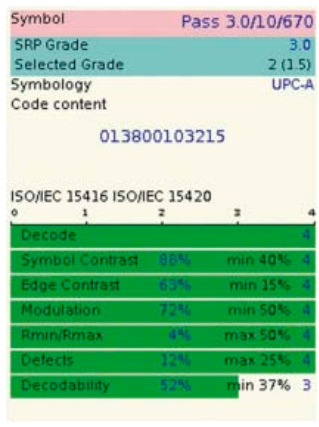
- bar code verification according to ISO/IEC 15416 or ANSI X3.182
- simple configuration for different demands like incoming goods control or print process control
- saving of complete configuration as settings profile
- setting profiles can be exported and imported. This allows to share settings and save them on a PC.
- pass/fail setting for grade preset A/4, B3, C/2 or D/1
- automatic averaging of scans starting with 2 and up to 10 scans
- auto discriminiation of all major bar code symbologies
- automatic size and check digit control
- light margin inspection in extended areas
- ratio verification for two bar width symblogies like Code 39 and 2/5 interleaved
- verification according GS1 General Specifications for retail codes
- included GS1-128 Data structure verification for GS1-128 and GS1-Databar codes
- colored LED's for quick pass/fail indication and operation status
- multi language user interface and verification reports
- simple software udate via network or USB Memory stick
- PC operation does not require driver installations

Technical Data

- measuring accuracy in conformance with ISO/IEC 15426-1
- powered by 32bit ARM 9 CPU technology, built non volatile flash memory
- Operating System: Embedded Linux
- LED red light illumination, 660 nm, 45°
- measuring width 75 mm (including light margins)
- aperture: 5, 6, 8 and 10 mil ((this is 0,125, 0,15, 0,2 or 0,25 mm)
- metric measuring accuracy: +/-5 % for average bar deviation, +/-10 % for extreme bar deviation; contrast accuracy: +/-8 %
- interfaces:
  - RJ45 Ethernet socket for network or PC connection (standard TCP/IP)
  - USB 2.0 socket for portable printer connection and USB Memory stick connection
- large color display and 12 keys for direct local operation and graphical report visualisation
- power supply: Built-in LithiumIon battery pack and over „Power Over Ethernet" power supply (100 to 240 Volt, 50/60 Hz, C13 socket for standard power cords (UK, US, EUR), two Ethernet CAT5 flexible patch cables included (3 m lenght). Ethernet cables up to 100 m lenght can be used.
- size (L x B x H): 222 x 85 x 95 mm
- weight: 660 g
- the Verifier is adjusted by the manufacturer. A new adjustement and calibration can be done by the user by the aid of the suppied calibration card. Test equipment monitoring is a monthly task done by the device user.
- TransWin32 can be used after enabling the option by an access code. This program allows a full remote configuration of the verifier. It shows, saves and print reports.
- System Requirement: PC with Windows 7 oder later

Portable report printer

Local verification



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