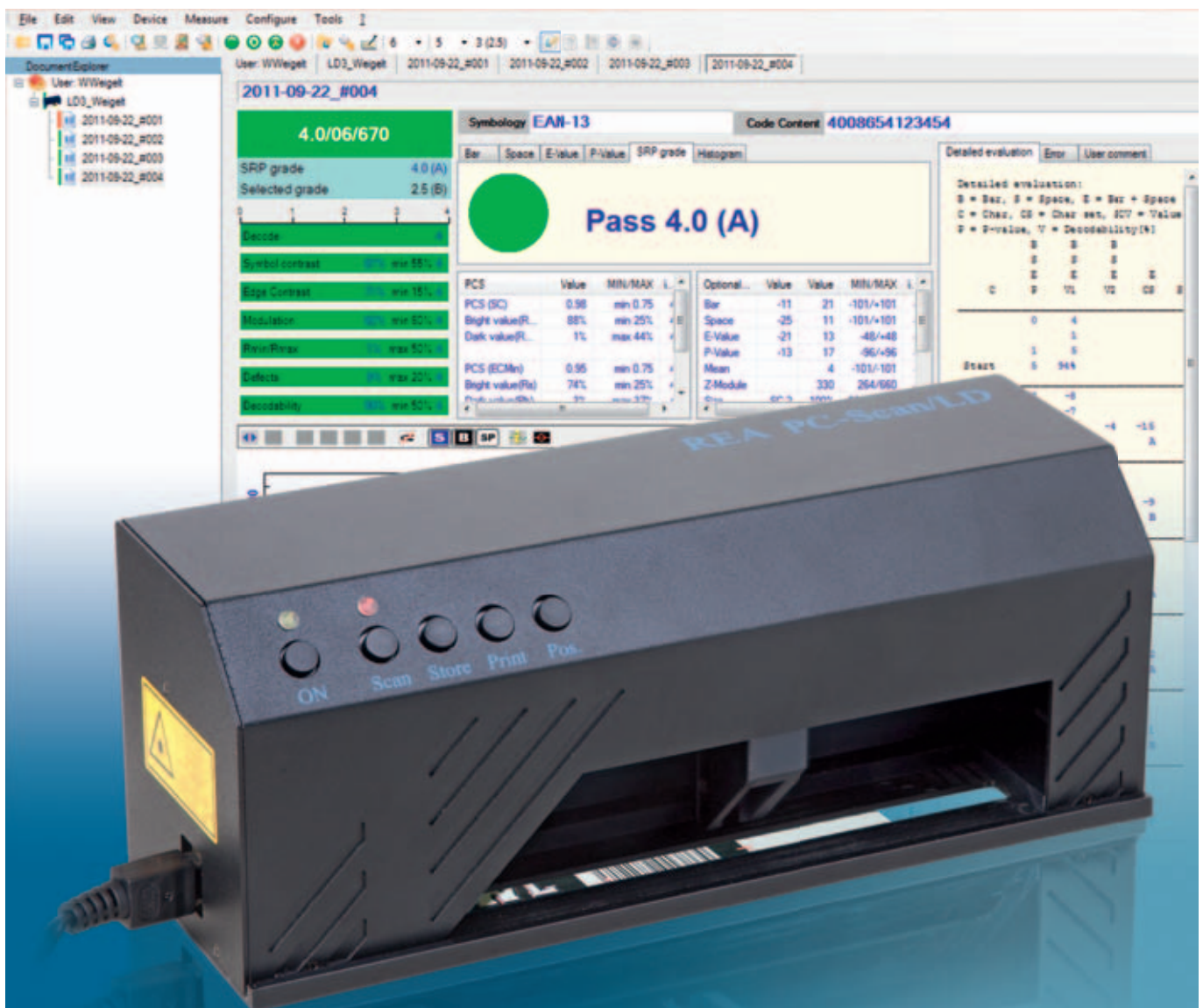


REA VERIFIER

QUALITY CONTROL DEVICES
FOR MATRIX- AND BARCODES

REA PC-Scan/LD3
Verify barcodes
with highest precision



REA PC-Scan/LD3



The REA PC-Scan/LD3 is a bar code verifier which was developed in conformity with international standards and is manufactured in Germany.

The REA PC-Scan/LD3 has the following unique features:

- fully automatic contrast calibration before every scan integrated metric standard for precise width and length measurements
- constant lighting angle of 45° over the entire scan path of 155 mm or 240 mm
- constant sensor angle of 90° over the entire scan path
- constant measurement distance over the entire scan path
- contact-free measurement

The REA PC-Scan/LD3 is the only bar code verifier in the world that has these features and is thus a guarantee for the highest measurement accuracy and repeatability, with simultaneously very simple operation.

The verification status “Pass” or “Fail” is a central element of the display. The simultaneously displayed details allow for an immediate and exact analysis.

The measurement results are graphically displayed. This allows for different measurement aspects to be recognized and assessed quickly and reliably. The display is optimized for easy understanding of the meaning of the measurement results.

For experienced users, the reflectance profile of the bar code is centrally displayed. This allows for many details and problems to be recognized at a glance.

The evaluation reports are automatically saved and supplemented with a job number in the file name. The number of saved verification reports is limited only by the size of the hard drive that is used.

The operation is password-protected and complete, job-specific settings can be stored. The complete settings are selected by job in routine operation.

For data exchange, verification reports can be generated as PDF documents and exported as text tables (CSV). All test reports can be individually supplemented with user comments.

With the REA Verifier, you will find out why the read rates of codes are low. Optimize the quality of codes using the detailed measurement results.



REA PC-Scan/LD3 with hollow body measurement adaptor

Options and device variants:

The REA PC-Scan/LD3 is available with a scan path length of 155 mm or 240 mm. The red laser light illumination is available with a wavelength of 670 nm or 635 nm.

Hollow body adaptor:

This is a floor plate with a prism milled into it. Hollow bodies such as bottles and cans can be placed precisely on the measurement plane in this prism. This ensures uniform positioning of the verification subject. The bar codes must be printed in ladder orientation.

Verification/evaluation of the following code types:

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

Optional barcode types: 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, measurement program

The „Optional code types“ software expansion makes less common bar code types available. The included measurement program measures reflectance profiles of unknown codes or any other structures. A metric and a contrast assessment can then be made.

Features:

- Measurement according to ISO/IEC 15416 or ANSI X3.182
- optional parameters in accordance with the respective bar code standards for optimal print process control
- multiple complete settings can be stored as profiles
- settings profiles can be imported and exported, settings can be cloned for multiple devices
- adjustment of desired minimum quality with automatic target/actual comparison
- auto discrimination of the most important bar code symbologies
- automatic code size and check digits monitoring
- multiple measurement with averaging from up to 10 single measurements
- verification and visualization of quiet zones with an extended area
- ratio monitoring for two bar width codes (e.g. Code 39, 2/5i)
- verification according to the GS1 General Specifications requirements
- support with evaluation of GS1-128 data structures
- verification reports can be displayed as GS1 report and printed
- multilingual verification reports and user interface

Technical Data:

- Measurement accuracy in conformity with ISO/IEC 15426-1
- operation together with supplied PC evaluation software REA TransWin 32
- ARM9, 32 bit microprocessor, 32 MB RAM, 32 MB Flash ROM
- embedded Linux operating system
- red light with 670 nm semiconductor laser, alternatively 635 nm, laser protection class II
- lighting angle 45°, measurement angle 90°
- aperture: 4, 6 and 8 mil (equals 0.1; 0.15; 0.2 mm)
- measuring accuracy: +/-3 µm for average value; +/-6 µm for extreme values; +/-5 % for contrast values
- 5 control keys: on/off, Scan, Store (save), Print, Pos. (stationary measurement)
- connection: RJ45 Ethernet port for power supply and TCP/IP data transfer
- power supply: via supplied Power-Over-Ethernet power supply, prim. 110-240 V~
- power supply socket and power connection cable for EU, US, UK
- connection with 2 CAT5 network patch cables (2 x 3 m)
- maximum data cable length 100 m
- user maintenance: device is self-calibrating. Regular verification tool monitoring and cleaning of calibration fields required. Manufacturer service recommended every 2 years.
- dimensions (W x H x D): 215 x 84 x 92 mm or 333 x 84 x 92 mm
- weight: 1,340 g or 1,580 g
- REA TransWin 32 - Evaluation program for PCs with MS® Windows 2000, XP, VISTA, 7 operating systems and .net Framework, vers. 2.0 or later



A measurement is carried out



Measurement of printed sheets in production

REA VERIFIER



REA Elektronik GmbH

Teichwiesenstrasse 1

64367 Muehltal

Germany

T: +49 (0)6154 638-0

F: +49 (0)6154 638-195

E: info@rea-verifier.com

www.rea-verifier.com