

OMR 15S

Optical Mark Reader with automatic feed



The OMR 15S recognizes marks, crosses, strokes, bubbles and other special marks. He handles selfprinted documents (e.g. laser printer) as usual documents printed in non-recognizable colours and well printed and sized copies. Its automatic feed is a guarantor for a high throughput of documents.

The inclination of the unit is adjustable and the hinged read-head ensures easy handling in case of paper jams or maintenance.

Because of scanning, correction by overmarking and ADS (Auto Dynamic Scanning) we reach a new unrivalled standard of mark recognition and flexibility. Options like Barcode-Reading enlarge the insertion of marks-readers extremely.

OMR 15S

Optical Mark Reader with automatic feed

Technical Specifications:

Document feed and output tray

- document feed: automatic stack feed, single hand feed possible
- stack capacity: up to 200 documents
- transport speed: up to 5000 docs/hour (software-dependent)
- document speed: 1000 mm/s
- double sheet detection: light transmission sensor
- output tray: single
- easy maintenance without tools

Document dimensions

- format: min. 75x70mm, max. 320x110mm
- length in transport direction > width
- weight: 120 – 140 g/qm
- quality: OCR acc. to DIN 66223
- document design: crosses, strokes, bubbles, areas
- mark-design: printed with non-recognizable colours, printed by laser printer/copies (ADS)

Read head

- red-light
- 12 tracks, 1/4" spacing
- 16 tracks, 1/4" spacing
- 18 tracks, 1/5" spacing
- 20 tracks, 1/6" spacing
- dust-proof and self cleaning
- dynamic self-adjusting (document colours and shades of grey)
- dynamic reading security in case of smudged documents
- insensible against folds and „reflecting markings“

Electronic

- processor: SE 80C517A
- RAM: 64 kByte
- flash-memory: 128 kByte

Interfaces

- RS232 with 9pol. SubD
- automatic detection of baud rate, bit/chr, parity

Firmware

- software update: via serial interface
- parameterisation: via serial interface
- remote maintenance: possible

Working procedures/modes

- standard mode: compatible to all usual mark readers
- scan mode: DS procedure, high flexibility in designing documents, black printed documents are possible
- rub-out mode: defining of intensity scales, erasure by over marking (in standard mode)
- rescanning: different values repetitions of recognized markings. Location and rating of defined marking positions concerning position, intensity and width
- test mode: several routines for fast and easy reader test or rather find out the best document-parameters

Control panel

- 2 LEDs

Power supply

- external: Input 110V – 250V AC, Output 12V DC, 40W

Mechanical Values

- dimensions: 320x165x105 (reader), min. 180x120x70 mm (outputtray)
- weight: 4,3kg (reader)

Standards

- VDE 0805/5.90
- VDE 0871-B
- CE

Options

- barcode reader: adjustable across the whole document without any tool; auto-recognition: 2/5 Interleaved, Matrix, Codabar, Code 39, EAN 8, EAN13, Code 128
- reading head infra-red
- multilevel reading