

OSR 300C

Optical Mark Reader with additional CIS for image capturing and guided sorter



OSR 300C mark reader is a scanner and OMR optical mark reader with stack feed and two sorting stacker trays. It was designed as a high-capacity reader with the greatest possible operating ease for efficient data input. As options, the device can be equipped with

- a second OMR read head for the simultaneous reading of the front and back sides of a document,
- a second CIS for backside image capturing
- a two-line bar code read head adjustable across the entire width of the document,
- a MICR module
- an ink jet printer (HP ink jet printer)



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Technical Specifications:

Document feed and sorter

- automatic stack feed
- stack capacity: up to 500 documents
- transport speed: 3000 - 7000 docs/hour (depends on resolution and paper dimensions)
- document speed: 0,5 m/s / 1,2 m/s
- automatic document adjustment
- double sheet detection: light transmission sensor
- sorter: 2 guided pockets
- easy maintenance without tools

Document dimensions

- format: min. 110 x 50 mm , max. 305 x 230mm
- length in transport direction > width
- weight: 80 – 140 g/m²
- quality: OCR acc. to DIN 66223
- mark-design: printed with non-recognizable colours, printed by laser printer/copies (ADS)
- document design: crosses, strokes, bubbles, areas

OMR Reading head front and/or backside

- red-light or infrared
- 40 tracks 1/5" spacing, 48 tracks 1/6"
- 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“

Interfaces

- USB 2.0
- serial interface for testing, automatic detection of baud rate, bit/chr, parity
- API for Windows
- others on request
- additional RS232 only for OMR-mode

Control panel

- status display with 2 LED's

Scanning front and/or backside

- colour-image
- alternatively greyscale and black & white image
- additional snippets from front and back side

Digital colour filter

- all colours

Resolution

- image: 200 DPI grey scale, 200 DPI colour, JPEG
- 400 DPI on request
- binary image: 200 DPI (1,2m/s), with interpolation in transport direction
- snippets: 200 DPI colour, 200 DPI greyscale, uncompressed or JPEG

Image processing

- embedded system

Power supply

- internal: 110V – 250V AC, max. 120W with all options

Mechanical Values

- dimensions: 630 x 360 x 300 mm
- weight: 24kg

Standards

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

Options

- barcode reader: adjustable across the whole document
- barcode reader 2nd line
- cross-barcode reader
- barcode reader backside
- MICR: E13B and CMC7
- paginator

