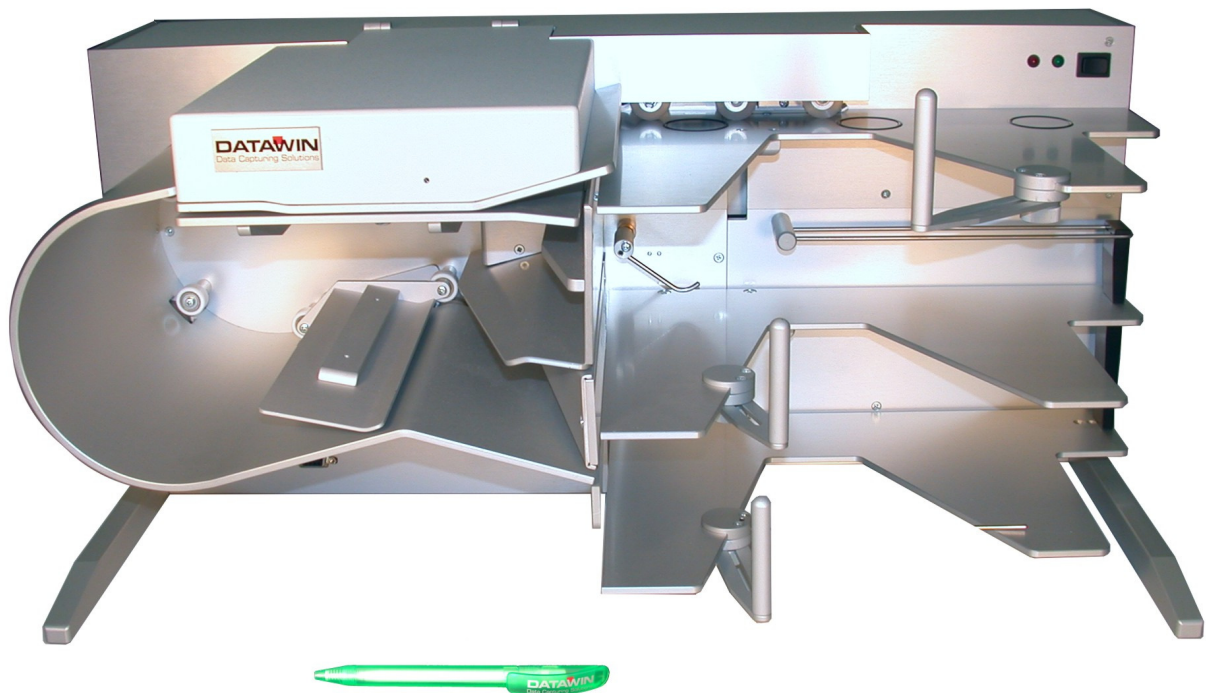


# OSR 300C

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



The 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)

*Availability and technical modifications reserved*

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

## 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/m<sup>2</sup>
- 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

- red-light
- 40 tracks, 1/5" 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“

### 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

### Firmware

- software update: via serial interface/USB 2.0
- parameterisation: via serial interface/USB 2.0

### Control panel

- status display with 2 LED's

### Scanning

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

### Digital colour filter

- all colours

### Resolution

- image: 150 dpi grey scale, 200dpi colour, JPEG
- binary image: 200 dpi (1,2m/s), with interpolation in transport direction
- snippets: 150 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
- ambient temperature: +10° C to 40° C (50° F to 104° F)
- relative humidity: 40 - 60%, condensation-free

### Standards

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

### Options

- 2<sup>nd</sup> CIS for backside image capturing
- infra-red OMR reading head
- 48 tracks, 1/6" spacing
- OMR reading head backside
- barcode reader: adjustable across the whole document; auto-recognition: 2/5 Interleaved, Matrix, Codabar, Code 39, EAN 8, EAN13, Code 128
- barcode reader 2<sup>nd</sup> line
- cross-barcode reader
- barcode reader backside
- multilevel reading
- MICR: E13B and CMC7
- paginator

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