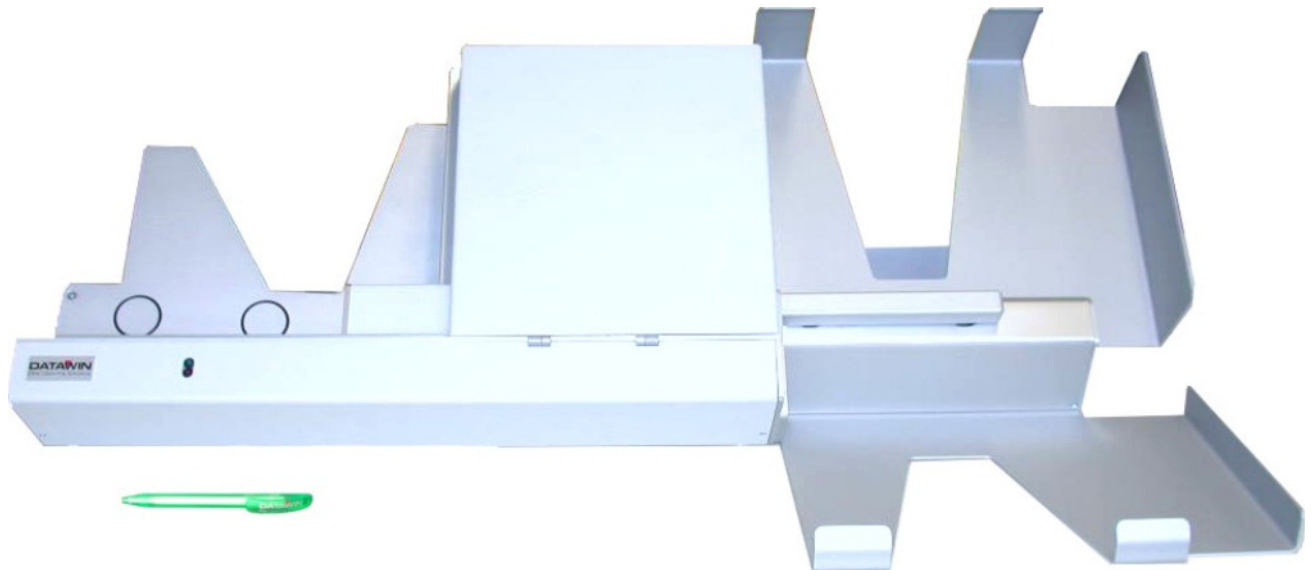


OMR 200S

Optical Mark Reader with automatic feed



The OMR 200S is an optical mark document reader with stack feed. It was designed as a high-capacity desk reader with the greatest possible operating ease for efficient data input.

The configuration of the device permits the implementation of optionally up to two OMR read heads (scanning strips), two bar code read heads, an ink jet printer (HP ink jet printer) and a sorter with two sorting trays.

The reader operates with a CPU of the latest generation that guarantees high reliability and speed for the data input directly from the document into the computer.

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Technical Specifications:

Document feed and sorter

- automatic stack feed
- stack capacity: up to 100 documents
- transport speed: up to 6000 docs/hour (software-dependent)
- document speed: about 1.2 m/s
- automatic document adjustment
- double sheet detection: light transmission sensor
- output tray: single
- easy maintenance without tools
- interruption in case of a negative command

Document dimensions

- format: min. 150 x 100 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

Read 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“

Electronic

- processor: Siemens 80C517
- RAM: 64 Kbytes
- flash-memory: 128 Kbytes

Interfaces

- 2x RS 232
- automatic detection of baud rate, bit/chr, parity

Firmware

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

Control panel

- 2 LEDs

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
- customer designed protocols saved in flash-memory via serial interface

Power supply

- internal: 115V – 250V AC

Mechanical Values

- dimensions: 550 x 330 x 220 mm (device); 900 x 600 x 220 (max. with sorter)
- weight: 11kg (device); 2.6kg (sorter)
- 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

- infra-red read head
- 48 tracks, 1/6" spacing
- read head backside
- sorter with 2 controllable pockets
- barcode: adjustable across the whole document without any tool; auto-recognition: 2/5 Interleaved, Matrix, Codabar, Code 39, EAN 8, EAN13, Code 128
- barcode reader 2nd line
- barcode reader backside
- multilevel reading
- paginator