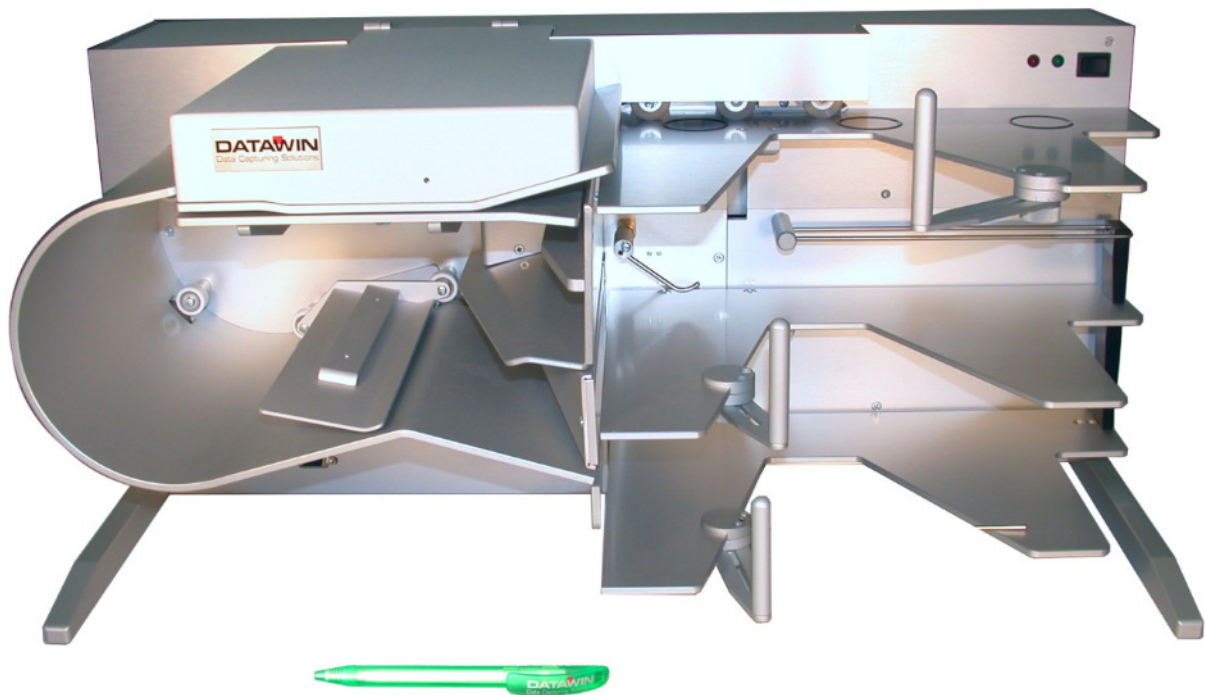


# OMR 300S

Optical Mark Reader with automatic feed and guided sorter



The OMR 300S is an optical mark document reader with stack feed and two sorting stacker trays. It was designed as a high-capacity desk 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 two-line bar code read head adjustable across the entire width of the document,
- an ink jet printer (HP ink jet printer),
- a multiple line display for user guidance.

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.

*Availability and technical modifications reserved*

# OMR 300S

## Optical Mark Reader with automatic feed and guided sorter

### Technical Specifications:

#### Document feed and sorter

- automatic stack feed
- stack capacity: up to 500 documents
- transport speed: up to 9000 docs/hour (software-dependending)
- document speed: about 1,3 m/s
- automatic document adjustment
- double sheet detection: light transmission sensor
- sorter: 2 guided pockets
- easy maintenance without tools
- interruption in case of a negative command

#### 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

#### 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

- serial interface, 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: 110V – 250V AC, max. 100W with all options

#### Mechanical Values

- dimensions: 630 x 340 x 300 mm
- weight: 20kg
- 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

- read head infra red
- 48 tracks, 1/6" spacing
- read head backside
- barcode reader: adjustable across the whole document without any too; 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
- paginator