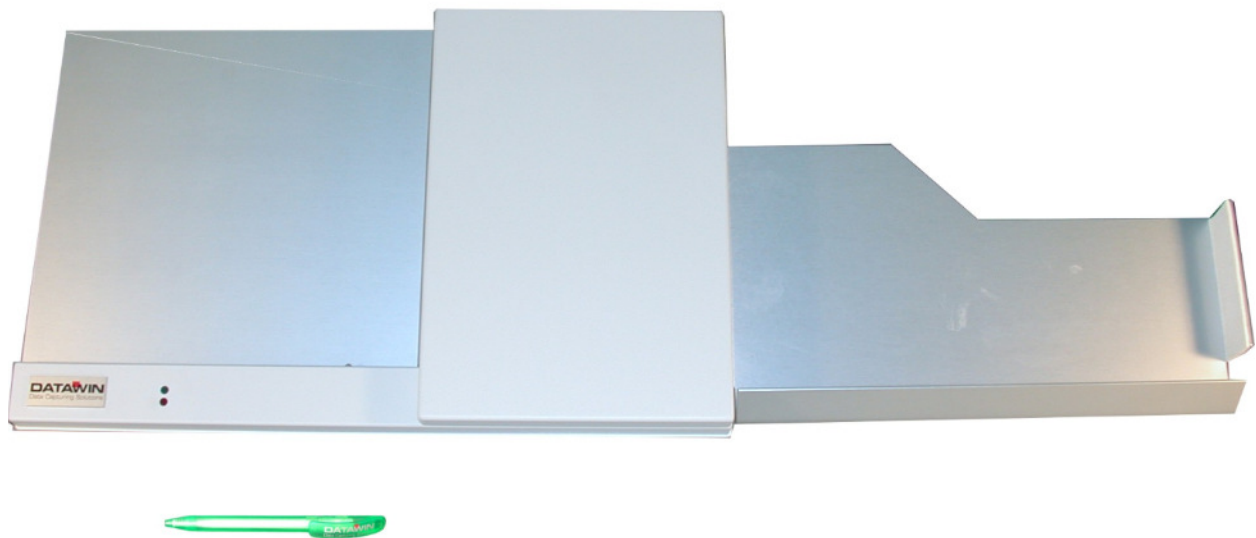


OMR 50E

Optical Mark Reader for hand-feed single sheet insertion



The OMR 50E mark reader is an optical mark reader designed for manual feed. It reads marks, crosses, bars, dots and various other types of markings. It processes automatically printed documents (e. g. laser printouts) as well as blind color forms and qualitatively high-grade (dimensionally accurate) copies.

The read head can be folded back without the use of tools in order to carry out cleaning or maintenance operations.

The compact structure of the device allows it to be positioned at a slant as an ergonomic desktop model.

OMR 50E

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Technical Specifications:

Document feed and output tray

- document feed: single hand feed
- automatic transport
- document transport self-controlled
- transport speed: 800 mm/s
- output tray: single
- easy maintenance without tools

Document dimensions

- format: min. 100x40mm, max. 320x220mm
- length in transport direction > width
- weight: 80 – 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
- 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: SE 80C517A
- RAM: 64 kByte
- flash-memory: 128 kByte

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

Power supply

- internal: 110V – 250V AC, 20W

Mechanical Values

- dimensions: 450x130x280 mm (reader), 340x40x92 mm (output tray)
- weight: 6.2 kg (reader)

Standards

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

Options

- read head infra-red
- 48 tracks, 1/6" spacing
- read head backside
- barcode reader: 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
- cross-barcode reader with additional scanner
- multilevel reading