

MAC 340 OCR

Industrial Optical Character Recognition System for in-line checking of variable data during fast moving production processes

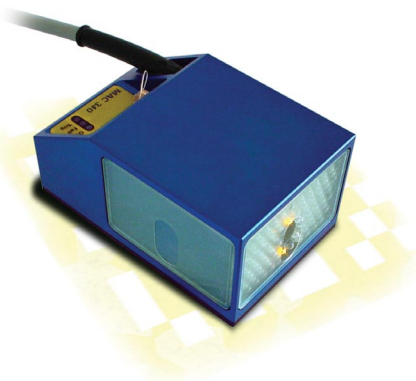


With the MAC 340 OCR, the principle of full integration of all components was also applied for an industrial optical character recognition system. Illumination and optics are now joined with the electronic evaluation board in one housing. Only a 24 V power supply and a trigger are necessary to make the unit work. Any font can be memorized and stored in the internal memory. The powerful recognition software enables the Reader to handle scaling of characters, i.e. variations of size are tolerated. This also makes the difficult adjustment and calibration obsolete.

The Digital Signal Processor, with a performance of 1200 million instructions per second, allows fast recognition of machine marked characters and symbols. The evaluation time depends on number and size. The dimensions of the search window, the size of the stored font, as well as the number of active windows must also be taken in account.

Thus, MAC 340 OCR can be used in all kinds of applications. Up to 100 windows can be used with their individually assigned font and reading parameters. Flexibility is therefore, almost unlimited.

Configuration of the Reader, may be executed via the command interface or by use of the PC Graphical User Interface OMNICONTRON.



This information is provided by

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Technical Data

MAC 340 OCR

Scan distance: 90mm
Depth of field: +/-7mm
Scan area: 24 x 30mm
Image Sensor: CCD 640 x 480 Pixel

Light source: LED-Flash
Transport speed: 4m/s
Evaluation time: 100ms*
(* 8 characters, one line, 30 pixel height, incl. image transfer)

Inputs: 1 Trigger 24VDC
optional: up to 4 inputs
Outputs: 2 x opto-coupled
optional: up to 4 outputs
Interfaces: 1 x RS232

Data Transmission:
from 9.600 to 115.200 Baud

LED Display:
Trigger, Good, False

Connectors:
Socket for VGA-Monitor,
15pin-D-sub, 0,5m cable

Power supply: 24V DC, 5W
Ambient temperature: 0°C to 45°C
Housing: anodized aluminium
Protection class: IP 65
Dimensions: 65 x 84 x 132mm
Weight: 730g

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