

MAC 332

The fixed mounted 1D and 2D code reader for product identification or online data recording

Reading in pulsed transport

In many automatic production procedures, the objects are transported sequentially. Respectively, reading can be done in standstill. The reader does not have to allow for high transport speeds or high decoding performances. In fact, flexibility is encouraged in various applications.



*Data Matrix ECC 200
26 x 26 module*

always read, as long as the image area is sighted.

The HD version offers the possibility to read and decode very small codes.

The reader MAC 332 in combination with the Data Matrix ECC 200 code opens a new world in the marking of components with extreme small labels.



*Omnitron AG, Griesheim
2 codes, same content*

Automatic adjustment

The reader MAC 332 is user friendly! Complicated adjustments of various parameters are not necessary. The identification of the type of code, the determination of the contrast or the size of the symbology takes place automatically. This reader is available with a internal or external trigger.

CMOS Technology – high resolution for 1D and 2D codes

The MAC 332 has a CMOS technology vision sensor which allows cost effective production and compact construction. The high resolution of the vision sensor allows in addition to the acquisition of 2D codes (Data Matrix, PDF 417, MaxiCode, QR Code etc.) also the acquisition of nearly all current 1D Barcodes.

These symbologies are read omnidirectional. The code is



Compact and easy installation

The small size, the adjustment angle of +/- 45° and the rotation angle of 360° makes nearly all mounting situations possible. A red target light, a very simple but effective aid, makes the installation very easy.

A cable enables power requirement and data exchange. Data transmission is via RS232 Interface.

Plug in, switch on, the code reader MAC 332 is immediately ready for use!

Technical Data

MAC 332 HD MAC 332 ND

Sensor: CMOS

Light source:
integrated LED-flash (red)

Evaluation rate:
2D Codes up to 4 Hz
1D Codes up to 6 Hz

Reading rates:
standstill or pulsed

Orientation: omnidirectional

Adjustment angle: +/- 45°

Rotation angle: 360°

Adjustment aid: red target light

Input: Trigger, opto-coupled

Interface: 1 x RS232

Transmission:
9.600 to 115.200 bauds

Format: ASCII

Ambient temperature:
0°C to +50°C

Stock temperature:
-40°C to +70°C

Relative Humidity:
0 to 95% at +50°C

Power supply:
9 – 30V DC, 2,5 – 3,5 W

Housing: anodized Aluminium
Protection class: IP 52

Dimensions: 85 x 55 x 48mm

Weight : 240g

Symbologies :

2D codes:
PDF417, MicroPDF417, QRCode,
Data Matrix ECC 200, Code 49,
UCC, Composite, Aztec Mesa,
Aztec, MaxiCode

1D codes:
Code 39, Code 128, UPC, EAN,
Codabar, Codablock, Code 93,
RSS, Interleave 2 of 5

The following scan distances and depths of field are only approximate values. The effective attainable values of our code readers MAC 332 HD or MAC 332 ND depend on the symbols, print quality, environment and mounting condition etc.

MAC 332 HD

View area: 34 x 25mm

Reading distance: 48mm

Depth of field:
of module size 0,17mm
(Data Matrix, QR Code)

min. distance 40mm max. distance 59mm

of module size (1D codes) 0,1mm

min. distance 40mm max. distance 71mm

MAC 332 ND

View area: 76 x 57mm

Reading distance: 124mm

Depth of field:
of module size 0,38mm
(Data Matrix, QR code)

min. distance 48mm max. distance 144mm

of module size (PDF417) 0,17mm

min. distance 66mm max. distance 129mm

of module size (1D codes) 0,127mm

min. distance 73mm max. distance 106mm

of module size (1D codes, PDF417) 0,25mm

min. distance 59mm max. distance 193mm

of module size (MaxiCode) 0,89mm

min. distance 48mm max. distance 264mm

This information is provided by

JETEC Corporation

2817 McGaw, Irvine, CA 92614
Tel: 714-979-9611 / Fax: 714-755-5950
Contact: sales@jetec.com
Internet: www.jetec.com

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