

MAC 320

Fixed mounted Data Matrix Reader for continuous moving targets

Today Pharmacode – Tomorrow Data Matrix ECC 200

Since 30 years Pharmacode has served to check the integrity of pharmaceutical packaging material during fully automated production processes. Usually off-set printed it allows the identification of leaflets, carton boxes, labels and tubes.

With the introduction of Data Matrix ECC 200 a new technology becomes available with significant advantages:

- ◆ Encoding of greater data contents becomes possible
- ◆ Direct encoding of existing internal numbering systems is no longer a problem
- ◆ Costs for code administrations are reduced
- ◆ Multiple use of one code combination is obsolete
- ◆ Data Matrix is secure due to inherent Reed Solomon Error Correction
- ◆ Space requirements are reduced to a minimum - coding of small labels becomes possible
- ◆ Despite different data contents, the size of the code is always the same. This feature offers great advantages for the label design.

Therefore, Data Matrix becomes the first choice for a clear and secure identification means of primary and secondary packaging material.

Unique – Data Matrix continuously reading on moving targets

Usually matrix codes are scanned with area imaging systems. These devices have typically read out cycles of 30 ms for example. During that time no further image can be acquired. In case of a fast moving process the code has already left the field of view during this period of time.

With the new development of the CHS-Technology (Continuous High Speed Scan Technology) real time image acquisition without an external trigger signal has been achieved.

Small, smaller, the smallest...

The integrated scan head incorporates optics, illumination and electronics. There is only a separate decoder box to make installation (in limited spaces) as easy as possible.

Data Matrix ECC 200 and Pharmacode – fully compatible

Using Pharmacode today and switching over to Data Matrix tomorrow – MAC 320 is the solution. Its unique technology allows Pharmacode and Data Matrix reading similar to the method in use since many years. All well proven functions are maintained. Change over to Data Matrix is now only a little step at any desired point of time.



Technical Data

MAC 320

Scan head: 25 x 25 x 56mm without cable
Housing: aluminium

Decoderbox: 60 x 60 x 112mm
14 pol. plug (to scan head)
15 pol. D-Sub (to host)

Reading distance: 23mm
Field of view: 13mm
Resolution: 0,1mm
Light source: 12 x LED (white)

Valuation rate: 15 codes per second
Travell speed: from min. 5cm/sec to max. 2m/sec

Modulsize: min. 0,5mm
Symbol size: max. 18 x 18 module

Data capacity max.:
36 numerical
25 ASCII

Evaluation rate: 15 Hz

Serial Interface: RS 232 und 485
Output: 24 V opto-coupled

Power supply: 24 V DC

Technical changes reserved

This information is cordially provided by

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