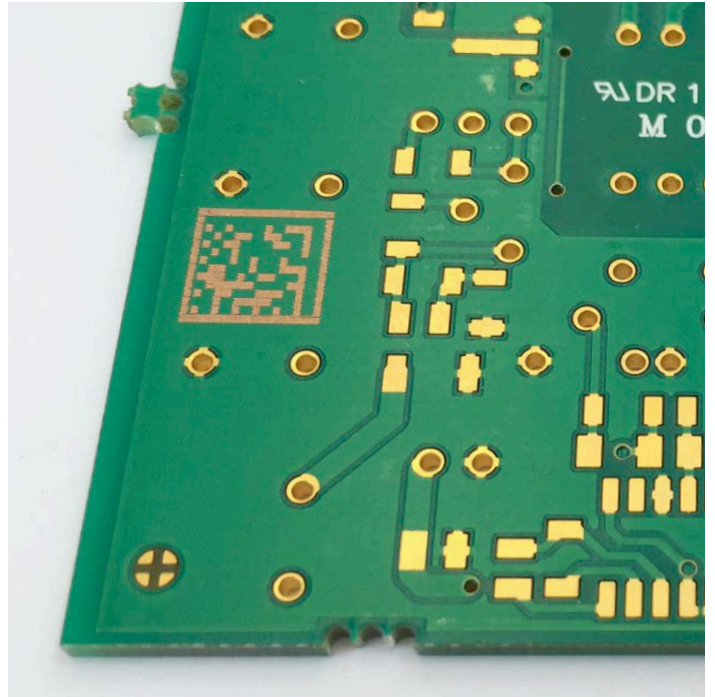# Ultimate Reading Performance for Reliable Processes

OHV1000 DPM Handheld Reader

The Application

An especially effective way to identify products in production and logistics areas is to mark them directly with two-dimensional codes, for the most part Data Matrix codes. These codes, which are applied to the product or workpiece with direct part marking (DPM), allow you to identify individual production steps and data at any time. In this way, it is possible to track the entire service life of a product. DPM codes are primarily used in mechanical engineering applications and in the electronics and automotive industries. The codes are placed on printed circuit boards, as well as metal and plastic components.

Your automation, our passion.

PEPPERL+FUCHS

Read data string:
ABC1234

Changing the data string
"Delete position 1"
"Replace position 4 with <tab> 1"

BC <tab> 1 <tab> 234

ERP system

Product	Quantity	Item no.
BC	1	234

With Pepperl+Fuchs' Vision Configurator, customizing the output string is easy. A read data string
can be individually changed and integrated into ERP systems with a simple selection of commands.

The Goal

The goal is to reliably read a wide range of code symbologies in addition to DPM codes. These include long 1-D barcodes, which are often used on job order cards in the automotive industry. What's more, all reading results must be automatically mapped within an ERP system. This system is then used to further process data.

The Benefits

The OHV1000 handheld reader is ideal for a large number of applications and ensures reliable reading performance. The OHV1000 is highly customizable to individual applications and can be effortlessly integrated into ERP systems.

The Solution

With its patented dual lens and high resolution of 1.2 megapixels, the OHV1000 handheld reader allows the simultaneous reading of small, complex DPM codes with a module size of up to 0.1 mm, and longer, printed 1-D and 2-D barcodes. Because you do not need to change the settings every time you encounter a different type of code, the reader is very flexible and efficient. This makes the OHV1000 your perfect solution when dealing with a variety of code symbologies.
The intuitive Vision Configurator parameterization software automatically writes the read results into the correct fields in the ERP system without the need for any time-consuming programming work.

Highlights:

- Single configuration reliably reads DPM and long 1-D barcodes
- Output string formatting for easy integration into your ERP system – no programming
- JavaScript programmable for the most demanding applications
- Direct PC connection using USB or RS-232

More Information at
www.pepperl-fuchs.com/dpm