

Punched, laser-etched? – Read!

The new generation of code readers from SensoPart is now available from Industrial Vision Components .com: reliable readings even under adverse conditions

Toledo, July 2008: At the start of the new year, SensoPart presented a new generation of code readers for data matrix codes and bar codes. The read characteristics of the device have again been significantly improved due to a complete revision of the read algorithm.

Besides printed codes, which it was already possible to read, directly-marked codes such as punched or laser-etched codes can now also be read. Even codes which are damaged or have unpropitious backgrounds - reflective or uneven surfaces, bad contrast - are no problem thanks to the new software. The operating distance can be set between 20 mm and infinity.

Application possibilities with the code reader are manifold, for example:

- Checking the presence / legibility or correct reading of a code,
- Comparing a code with a reference code
- Reading a code and transmitting the contents of the code to a primary control
- Tracking parts in a production process by reading the code at several points in the process and recording the data in a process control.

Simple configuration without menus

Configuration of the code reader is carried out via user-friendly PC software in which all the relevant functions appear on only one screen page. Parameters for the individual codes are taught using a reference sample. A multistage teach-in process enables the teaching of tolerances with regard to the printing quality of the code. The sensor can be easily and accurately aligned on the machine due to a live image display in the software.



Reads codes even in poor conditions:
FA 45 code reader

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SensoPart's successful FA 45 vision sensor forms the hardware platform. The sensor can be optionally equipped with lenses with a focal width of 6 or 12 mm, a C mount adapter as well as integrated red or white lighting. The FA 45 also offers a robust, compact and heavy-duty housing (IP 65/67) with standard M12 plug-in connections.

Communication via 4 outputs and 2 serial interfaces

After successful configuration, the sensor operates autonomously and can be controlled from the outside via 2 inputs and send information to the control systems via max. 4 outputs. The outputs provide information on the current operating status and on whether a code has been successfully read and whether it conforms to a taught reference string.

Up to 32 configurations can be used. Each configuration can include parameters for one or several codes. The contents of the code read can be transferred to a control system via the RS422 interface or via the Ethernet interface. The individual configurations can be logically linked and/or grouped in order to inspect several codes.

Industrial Vision Components .com

IVC is a distributor of high quality industrial automation components, vision sensors and machine vision systems from SensoPart, optical lenses from Fujinon and Goyo Optical, mounted filters, accessories, and supplies. IVC provides easy access to current prices, no hassle order entry, and access to useful product cross-reference guides, engineering tools, and factory automation and machine vision application tips. More information can be found at <http://www.industrialvisioncomponents.com>.

SensoPart Industriesensorik GmbH

The sensor manufacturer SensoPart, based in Wieden near Todtnau and Gottenheim near Freiburg, develops, produces and sells sensors for industrial applications. The main focus is on optoelectronic sensors, particularly laser sensors and high-performance vision sensors. SensoPart currently employs 120 people. The past few years have been marked by strong growth and the regular launch of new, innovative products. SensoPart has received several distinctions for its work, for example the Dr. Rudolf-Eberle Prize, 1st place in the Baden-Württemberg Prize for the Promotion of Young Companies, and has been awarded the German Sensor Application Prize several times. Further information can be found on the Internet under <http://www.sensopart.com>.

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