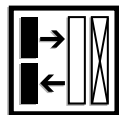


During the development of competitive technologies it is true of both manufactures and suppliers: not the big ones beat the small, but the quick ones the slow. An attractive challenge for an enterprise with over 25 years experience of sensor technology, but at the same time a commitment for all employees from development to after sales service to act even more flexible and customer oriented. **SensoPart: Big enough to solve jointly every application problem in sensor technology, and small enough to solve it quickly.**

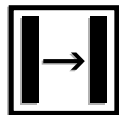
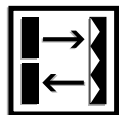
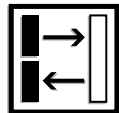


W H O ' S Q U I C K E R ?



Further delivery programme

- inductive sensors
- ultrasonic sensors
- capacitive sensors
- custom designed developments



SensoPart
Industriesensorik GmbH
Am Wiedenbach 1
D-79695 Wieden
Tel. +49 (0) 76 73-8 21-0
Fax +49 (0) 76 73-8 21-30
<http://www.sensopart.de>

SensoPart UK Limited
Unit 5, Third floor
The Bond, 180-182 Fazeley Street
GB-Birmingham B 5-5 SE
Tel. +44 (0) 121 7725104
Fax +44 (0) 121 7728754
<http://www.sensopart.com>

SensoPart
12, rue Albert Einstein
Espace Descartes
F-77420 Champs - Marne la Vallée
Tél. +33 (0) 1 64 73 00 61
Fax +33 (0) 1 64 73 10 87
<http://www.sensopart.fr>



COLOUR SENSOR

FT 50 C



FT 50 C – A new ray of light in colour detection

With the FT 50 C colour sensor, SensoPart has set another milestone in the technical development of colour sensor technology: the first colour sensor with only **one light source** in the small standard size, which guarantees the precise **detection of objects in the whole working area**. And which shows many other technical features that make it capable of a top performance as a standard.

The exceptional quality of the FT 50 C is its operational principle with only one light source. The LED emits visible white light. At a large distance range, objects are detected by a patented optical system independently of their shape.

The colour to be detected is learned simply by teach-in and the FT 50 C is at once ready for use. It compares the target object with the taught-in reference colour and if they match, it sets one of the three available switching outputs.

By means of 5 adjustable tolerance levels, the FT 50 C can be optimally aligned to the target colour. In addition, the FT 50 C offers the possibility of scanning whole colour ranges. A very flexible method with advantages coming in particularly useful in the case of irregular colour structures in imprints and varnishes.

FT 50 C Colour sensor

TECHNICAL DATA

- Working range: 12 to 32 mm
- Scanning distance tolerance: ± 6 mm
- Colour scanning function
- Switching frequency: 500 Hz
- Size 50 x 50 x 17 mm
- Switching output: 3 channels teachable independently from each other
- Light spot: $\varnothing 4$ mm
- Immune to external light sources due to pulsed white light
- Trigger input
- Connectable pulse stretching



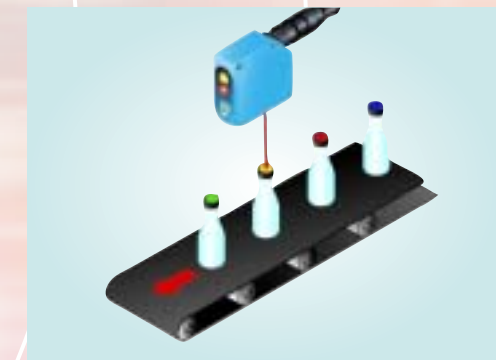
**FT 50 C –
half as big, half as expensive,
but twice as effective
due to innovative
white light technology**

Field-proven applications

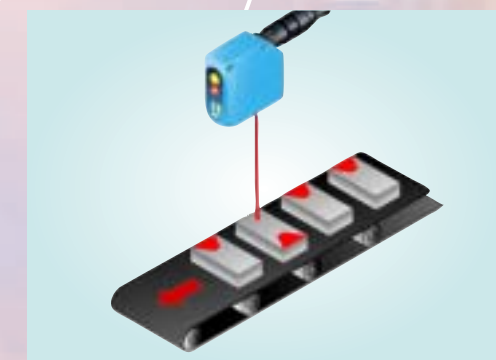
The FT 50 colour sensor simplifies and speeds up sorting and control tasks within a broad spectrum of automated working processes. Whether it is the distinction of the degrees of browning of cookies in the food industry, the positioning of register marks on packings in the pharmaceutical industry or any other detection task: the FT 50 C is the right sensor whenever all the others have had enough of it.



Detection of different-coloured labels



Detection of different-coloured covers



Sorting of packings

The smallest colour sensor in the world

does not only fit into our proven F 50 housing, but has functions and performance features that even larger devices don't offer.