



Press release

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Area: Position sensors

Subject: efector pmd – the height of level detection

The photoelectric sensor O1D300 detects levels of non-dusting and non-transparent bulk materials without contact. Using a visible laser beam the distance sensor reaches a range of 10 m. The time-of-flight principle is used.

Two buttons and a simple menu guidance enable easy and precise setting of all parameters, e.g. switch points.

The level of the medium referred to a set reference level is indicated on the 4-digit LED display. At the same time it can be provided via a scalable analogue output (4...20 mA).

The PNP semiconductor output can be set as normally closed or normally open.

The award-winning PMD technology (**Photonic Mixer Device**) enables a particularly compact design (42 x 42 x 52 mm) by means of the System-on-Chip design which integrates receiver and signal processing on a single chip.

Due to the very robust diecast zinc housing O1D300 is ideal for use in especially rough environments.

If surfaces are not shiny, the allowed angle of incidence of the light beam is up to 45°. This gives flexibility of installation.

Furthermore, the O1D300 is an alternative to conventional ultrasonic sensors due to its unbeatable price, long range and flexible installation.

ifm electronic at the SPS/IPC/DRIVES 2008: hall 7a, stand 302.

Customer contact:

ifm electronic gmbh
Teichstr. 4
45127 Essen
Germany

www.ifm.com
info@ifm.com

Press / public relations / media planning:

Simone Felderhoff, +49 (0)201 / 24 22-411
simone.felderhoff@ifm.com

Technical writing

Dipl.-Ing. Andreas Binasch, +49 (0)201 / 24 22-425
andreas.binasch@ifm.com

Sabrina-Ulica Schuster (M.Sc.), +49 (0)201 / 24 22-425
sabrina-ulica.schuster@ifm.com

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