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PMDLine – the new generation of photoelectric sensors

Laser sensors / distance measurement sensors

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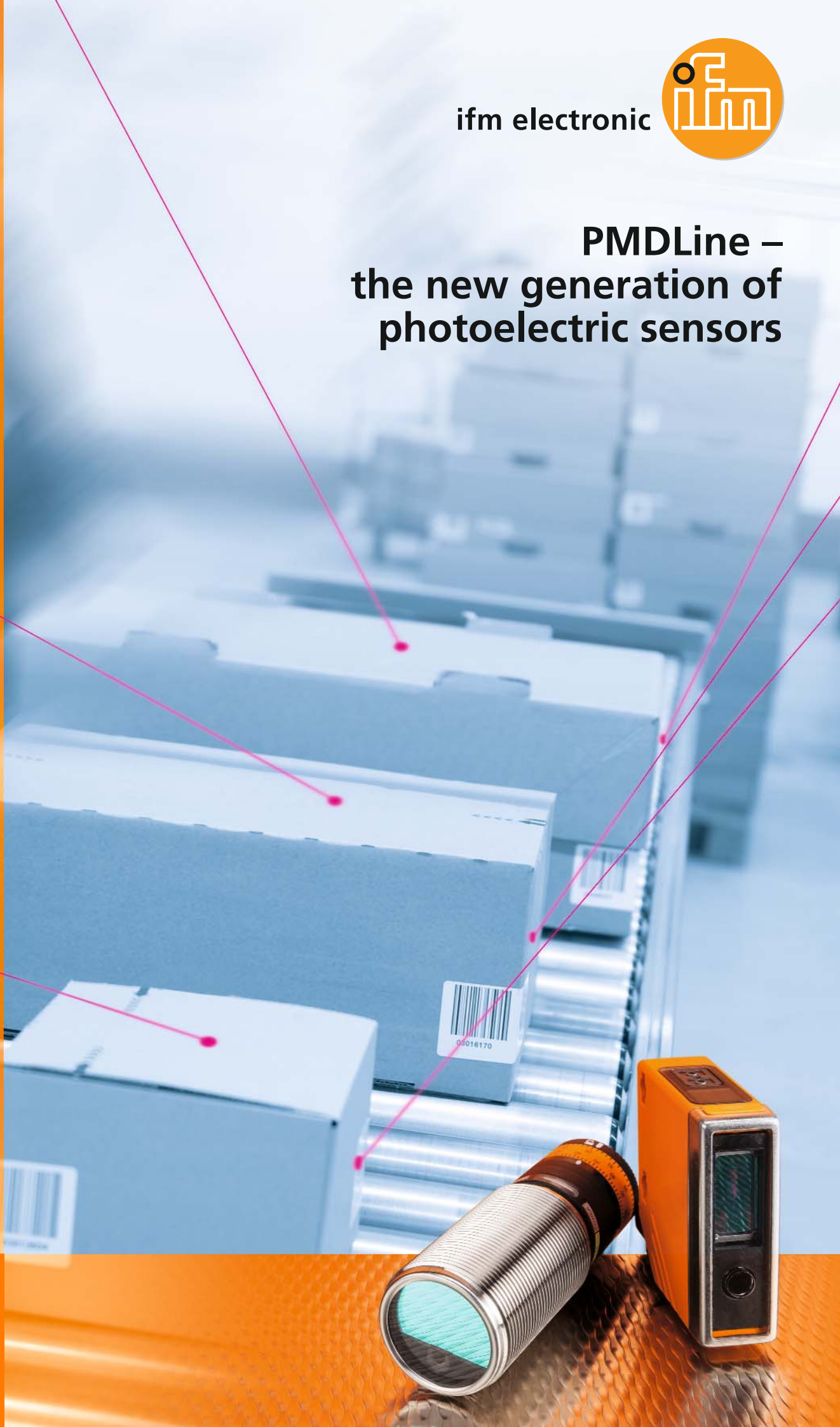

For industrial applications

Revolution: the world's first standard photoelectric sensors with time of flight measurement (PMD)

Time of flight measurement.

The sensors of the PMDLine family operate with time of flight measurement using the PMD technology (PMD = Photonic Mixer Device). This enables small designs the size of standard photoelectric sensors and a considerable plus in performance.

Revolutionary:
PMDLine is the alternative to photoelectric sensors. The time of flight measurement opens up undreamed-of possibilities.

Far reaching:
Long ranges up to 2 m with background suppression.

Accurate:
Any sensor position and even oblique angles to the object.

Powerful:
Perfect background suppression: object recognition or background suppression irrespective of the surface characteristics and colour of the object or background.

Intuitive:
Simple switch point setting via pushbuttons or setting ring.

Unbeatable:
The sensors are in the price range of standard photoelectric sensors.

Perfect background suppression.

Whether shiny, matt, dark or light objects of any colour: The PMDLine sensors provide reliable object detection and accurate background suppression. Even reflective elements in the background, e.g. stainless steel surfaces or reflective vests do not influence the background suppression.

Type O5D

Type OID

TOP PRODUCT

PMDLine type O5D with display and type OID with easy-turn setting

Flexible installation position.

Even with acute angles of incidence of the laser beam, the object is accurately detected. This provides high flexibility of installation.

Long ranges.

The sensors operate like laser-based diffuse reflection systems with background suppression, standing out from conventional diffuse reflection sensors by their long ranges of up to 2 m.

IO-Link.

The PMDLine sensors feature integrated IO-Link. This can, for example, transmit the current value.

Conventional installation.

Common photoelectric sensors are installed on the conveyor belt, at a right angle to the object.

It couldn't be any easier.

For the OID, the switch point is set intuitively by turning the distance scale on the setting ring. Operating instructions are not necessary.

For the O5D, the switch point is set to the nearest centimetre just as easily via two "+/-" pushbuttons. The LED display shows the range in centimetres.

For more information, such as technical data, application videos or prices please go to

www.ifm.com/gb/pmdline

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Overview
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