



Area sensors

**Measurement and detection light grids
with digital and analogue output**

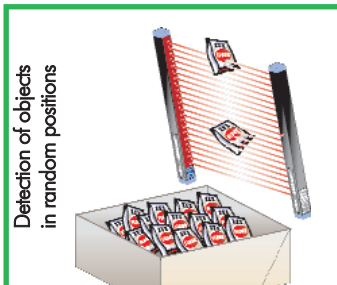
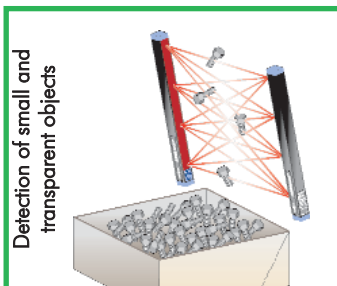
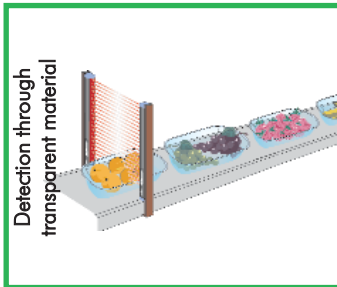
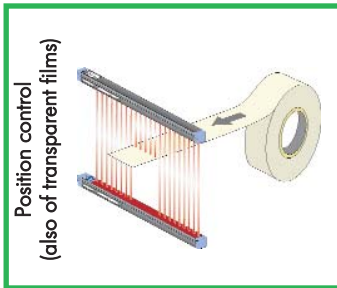
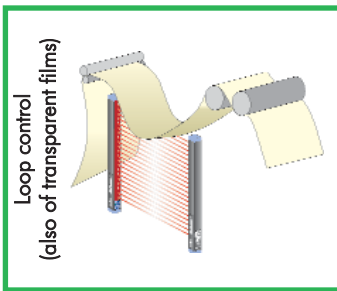
Manual or automatic calibration function

Internal dip-switches for device configuration

High resolution of 0.5 mm with crossed-beam scanning

Easy setting with local or remote Teach-in function

1.5 m operating distance and 600 mm controlled height



The **AREAscan™** light grids of the **DS3** series are optoelectronic multibeam devices that can be used to detect, measure, count and control the position of objects, including transparent and small items.

The range has been extended and includes models with 150, 300, 450 or 600 mm detection heights, as well as presenting 0.2 - 0.6 m or 0.6 - 1.5 m operating distances.

The light grids measure object dimensions with a 6 mm precision, in compliance with the metric Standards in force in many countries for 'billing purpose' detection. The light grids also detect objects with 0.5 mm resolution thanks to crossed-beam scanning.

Internal dip-switches for configuration are available on all models, together with the Teach-in setting button with the Remote control and LED indicators for the signalling of the device operating and autodiagnostic status.

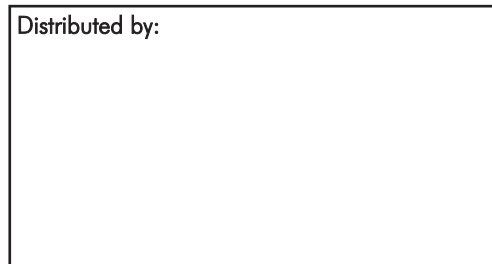
The synchronisation via cable of the emitter and receiver units improves optic and electromagnetic interference immunity.

The compact dimensions (35 x 40 mm), absence of external control units, easy installation and excellent performances make the **AREAscan™** light grids particularly suitable to a wide range of different industrial automation applications.

- 150, 300, 450 and 600 mm detection heights
- 0.2 - 0.6 m or 0.6 - 1.5 m operating distances
- Switching PNP output and 0 - 10 V analogue output
- Easy setting with Teach-in and remote control
- Internal dip-switches guarantee configuration and flexibility
- Minimum response time of only 3 ms
- High resolution of only 0.5 mm
- Emitter and receiver synchronism via cable
- Detection of all objects, including opaque and transparent items
- Detection in the entire sensitive area, without blind area close to optics
- Manual or automatic calibration with optic blanking possibility
- Setting of different sensitivity levels
- M12 4-pole connector for emitter and M12 8-pole connector for receiver
- 24 Vdc ± 15% power supply
- Compact aluminium IP65 housing without external control units

DATASENSOR SpA is the Italian leading company in the production and sales of optoelectronic devices for detection, safety, measurement and inspection for industrial automation. The range includes complementary products, such as temperature controllers and ultrasonic sensors. The **DATASENSOR** worldwide presence is guaranteed by the subsidiaries in France, Germany, Spain and UK, as well as a widespread network of local distributors, including selected Qualified Automation Partners (QAPs). Thanks to its unique technology of the product and production process, **DATASENSOR** can boast an active partnership with the main companies operating in the world of industrial automation.

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