Datalogic has more than 40 years of experience in the sensors and safety sector, developing their first product, a Photoelectric Sensor, in 1972. Today, Datalogic is one of the largest manufacturers of sensor and safety products worldwide.

Datalogic is the market leader in Italy for photoelectric sensors and safety light curtains, ranking among the top-10 manufacturers in Europe by market share.*

Datalogic’s Sensors and Safety portfolio solves customer applications in Factory Automation, specializing in Processing and Packaging machinery, and Automated Material Handling Systems related to Manufacturing Industries such as Automotive, Electronics, Pharmaceutical, Food & Beverage, Paper and Printing, Woodworking, Ceramics, Glass, Textiles and more.

* (source: based on VDC 2010 - 2011)
SAFETY PRODUCTS

SAFETY PRODUCT RANGE

- Dimensional sensors for height/width measurement and object positioning
- TOF distance sensors for measurement and object positioning
- Safety light curtains for Body protection with Muting function
- Contrast and Luminescence sensors
- Area sensors
- Maxi and Compact sensors for object detection

SAFETY PRODUCTS

- Controller
- Light beam Module
- Relay unit
- Accessories

SAFETY PRODUCTS

- High / Low Resolution
- Finger protection
- Hand protection
- Body protection
- Presence control

SAFETY PRODUCTS

- Base / Extended functionalities
- Auto / Manual
- Device monitoring
- Muting
- Override
- Blanking
- Cascadable

SAFETY PRODUCTS

- Safety light curtains
- Type 2 and Type 4
- Blank
- Other safety products
Extended flexibility that fits a diverse range of machine needs, with remote configuration or monitoring and configuration cloning features.

Applications:
- Processing and packaging machines
- Automotive, metalworking, presses
- Manufacturing assembly lines

Technical Data:
- Programmable Safety Light Curtain Type 4 (pl=e, SIL3)
- Resolution: Finger 14 mm; Hand 30 mm
- Controlled heights from 300 to 1800 mm (n x 150 mm)
- Operating distance: Finger 7 m; Hand 20 m
- Compact; No dead zone; up to 3 cascadable units
- Full programmable: Auto/Main restart, EDM, coding, pl, total/partial, with/without timeout, etc.; Fixed/floating blanking; reduced resolution function
- Ethernet Port, SG Dongle and Graphic User Interface

SAFETY PRODUCTS
**SG BODY BIG**

Body safety protection and perimeter access control
Robust product with high reliability and easy installation

**APPLICATIONS**
- Palletizers/depalletizers
- Automotive, robotized lines
- Automated storage and retrieval
- Automated warehousing
- AGV and forklift area protection

**TECHNICAL DATA**
- 52x56mm profile with improved mechanical resistance
- 2, 3 or 4 beams for Body protection and access control
- Controlled heights of 500, 800, 900, 1200mm
- Longer operating distance of 60m
- Dip-switch configuration of Auto/Man, EDM, Coding
- Muting version with integrated arms and top-lamp
- Reflector version with active unit and passive unit

**SG BODY COMPACT**

Body safety protection and perimeter access control
High reliability, easy installation and alignment, improved cost savings

**APPLICATIONS**
- Palletizers/depalletizers
- Conveyor lines
- Automated warehousing
- Manufacturing lines

**TECHNICAL DATA**
- 35x40 mm standard compact profile
- 2, 3 or 4 beams for Body protection and access control
- Controlled heights of 500, 800, 900, 1200 mm
- Long operating distance up to 50 m
- Dip-switch configuration of Auto/Man, EDM, Coding
- Muting version with L or T integrated arms and lamp
- Easy and cost effective standard M12 connectors
Safety Light Curtains

**SG4-H**

Finger protection in applications where high hygienic requirements need frequent cleanings with highly corrosive detergents.

The first safety light curtain with stainless steel housing and glass.

**TECHNICAL DATA**
- Safety Type 4 (Pl=e, SiL3);
- Resolution: 14 mm
- Protected height: 150/300/450 mm
- Operating distance: 0.2 ...6m
- Outputs: 2 PNP; Output current: 0.5 A max / each output
- Mechanical protection: IP69K
- Restart: Automatic

**APPLICATIONS**
- Liquid filling machines
- Powder filling machines
- Closing and cap sealing machines

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Safety Light Curtains

**SLIM**

Finger and hand protection where space saving and mechanical flexibility is a must.

**TECHNICAL DATA**
- Safety Type 2 (Pl=c, SIL1); Safety Type 4 (Pl=e, SIL3)
- Resolution: 14/24/34 mm
- Protected height: 150, 210, 270 ... 1200 mm (with 30 mm steps)
- Operating distance: 0.2 ...6m
- Outputs: 2 PNP; Output current: 0.3 A max / each output
- Mechanical protection: IP65
- Restart: Manual/Automatic
- Other functions: External Device Monitoring (EDM)

**APPLICATIONS**
- Food & Beverage, Processing and Packaging
- Electronics and mechanics assembly machinery
- Quality inspection
- Material Handling
### SG-M

The Muting Sensors modular kit comes ready-to-use for easy installation: Offers flexible regulation of the position and orientation of muting beams, in order to adapt quickly and easily to any situation.

#### TECHNICAL DATA
- Ready-to-use kits for bidirectional muting in T or X configuration, or monodirectional muting in L configuration
- Retroreflective, dark-on photocells, with the possibility of beam intensity regulation
- Maximum distance: 7 m
- Sensors and reflectors can be positioned along the arms and orientated both horizontally and vertically
- Fast connection of up to 4 sensors to safety light curtain through a Connection Box with M12 connectors
- 700 mm or 2000 mm cables, to install the kit on the light curtains or on protective stands

#### APPLICATIONS
- Palletizers / Depalletizers
- Conveyor lines
- Material handling
- Food & Beverage, Metal working, Automotive, Wood, Ceramics Industries.

### SG BWS

Body safety protection and perimeter access control
Cost effective, flexible safety layout and system configuration

#### TECHNICAL DATA
- Configurable safety control units type 4 (Pl=e, SIL3)
- Dip-switch configuration of Auto/Man restart, EDM
- SG-BWS-T4-MT with single or double muting function
- Controlling 2 light curtains or 1-4 safety light beams:
  - S5 operating distance 0-8m, SL5 Laser 0-40m
  - S300 operating distance 0-40m
- Double PNP output or SPST Relay 250Vac/24Vdc 5A

#### APPLICATIONS
- Palletizers/depalletizers
- Conveyor lines
- Automated warehousing
- Manufacturing lines

### SAFETY ACCESSORIES

- Mirrors
- Protective stands
- Protective shields
- Safety modules
- Safety relays
- Muting boxes
- Muting arms
- Muting lamps
- Laser pointer
- Brackets