IO-Link

Telco sensors®

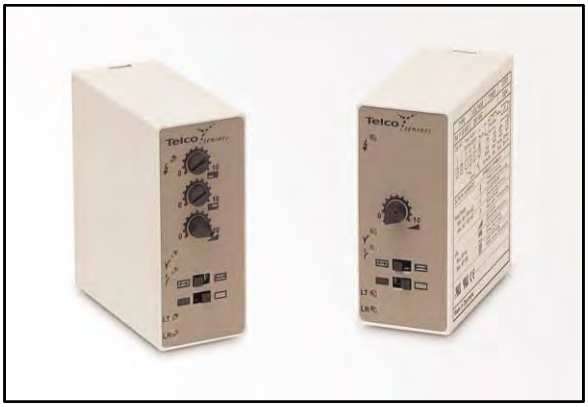
MAKING SENSE OF TECHNOLOGY

REMOTE SENSOR SERIES

- Operation mode and max sensing range:
  Thru-beam: **Dependent on amplifier (up to 230')**
  Diffuse proximity: **Dependent on amplifier (up to 12')**
  Fiber: **Dependent on amplifier (up to 25')**
- 12mm threaded, 10Ø smooth, right-angle, and snap housings
- Nickel-plated brass, polycarbonate, stainless steel, polyester, ABS
- Cable or quick-disconnect plug connection
- Optional sensor monitor LED
- 100,000 lux light immunity

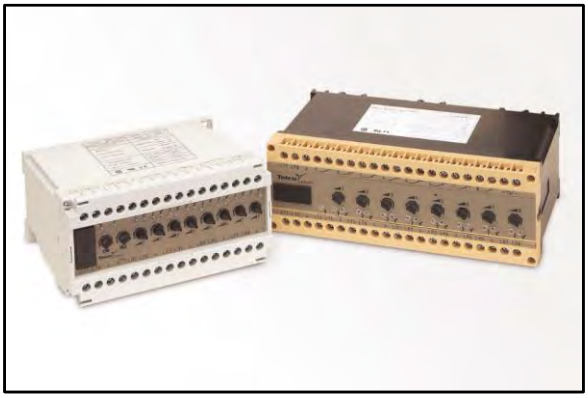
PHOTOELECTRIC AMPLIFIER SERIES

- Operation mode and max sensing range:
  Thru-beam: **up to 230'**
  Diffuse proximity: **up to 12'**
  Fiber: **up to 25'**
- 24 Vac, 24 Vdc, 115 Vac, 230 Vac
- Manual sensitivity adjustment
- Automatic sensor test
- Optional On/Off time-delay
- Transistor (NPN or PNP) or relay output
- Switch-selectable light or dark operated
- Power, output, sensor test, and signal level indicators



MULTIPLEXED AMPLIFIER SERIES

- Operation mode and max sensing range:
  Thru-beam: up to 147'
  Diffuse proximity: up to 12'
- 2-, 4-, and 8-channel systems
- 24 Vac, 24 Vdc, 115 Vac, 230 Vac
- Manual sensitivity adjustment
- Optional On/Off time-delay
- Transistor (NPN or PNP) or relay output
- Common or individual output
- Switch-selectable light or dark operated



PHOTOELECTRIC AMPLIFIER BUS SERIES

- Operation mode and max sensing range:
  Thru-beam: **up to 230'**
  Diffuse proximity: **up to 12'**
- 1-, 2-, and 3-channel systems
- 10-30 Vdc / 24 Vac
- Manual sensitivity adjustment; automatic version available
- Automatic sensor test
- On/off time-delay
- Transistor (NPN or PNP) or relay output
- Switch-selectable light or dark operated
- Output, alarm, signal level indicators
- Alarm output

SPACEMASTER™ 3000

- Operation mode and max sensing range:
  Thru-beam: 0 - 90'
- 12mm threaded, 10Ø smooth, right angle, and snap housings
- Nickel-plated brass or Polycarbonate
- Cable or quick-disconnect plug connection
- Sensitivity adjustment via control input
- Power and output indicators
- 10-30 Vdc
- 3-wire, NPN or PNP transistor output
- Test input

SPACEMASTER™ 6000

- Operation mode and max sensing range:
  Thru-beam: 1 - 20'
- 12mm threaded, 10Ø smooth, and right-angle housings
- Stainless steel or Polycarbonate
- Cable or quick-disconnect plug connection
- Sensitivity adjustment via control input
- Power and output indicators
- 10-32 Vdc
- 3-wire, NPN or PNP or 4-wire NPN/PNP transistor output
- 5 or 0.5 ms response time
- Test input

SPACEMASTER™ 7000 - 8000

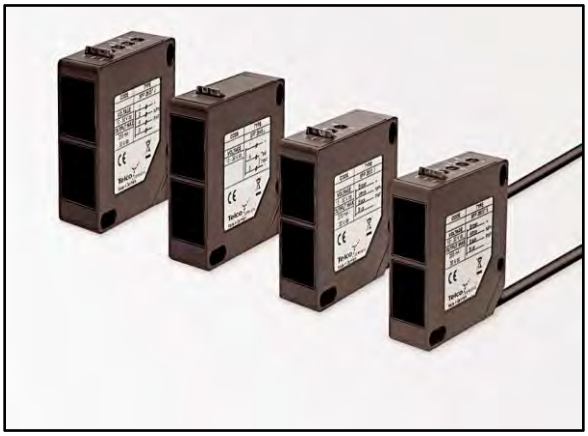
- Operation mode and max sensing range:
  Thru-beam: **0 - 100'**
  Diffuse proximity: 0 - 39"
  Retro-reflective: 0 - 10'
  Fiber: **Dependent on fiber optic cable**
- 18mm threaded barrel
- Stainless steel or Polycarbonate
- Cable or quick-disconnect plug connection
- Sensitivity adjustment via potentiometer
- Switch-selectable light or dark operated
- 10-30 Vdc or 20-250 Vac
- 4-wire, NPN/PNP transistor output or 2-wire SCR output

SPACEMASTER™ 9000

- Operation mode and max sensing range:
  Thru-beam: 0 - 230'
- 18mm threaded barrel
- Stainless steel or Polycarbonate
- Cable or quick-disconnect plug connection
- Sensitivity adjustment via control input
- Power and output indicators
- 10-30 Vdc
- 5-wire, NPN or PNP transistor output, or solid-state relay
- Up to 4 unique frequencies to avoid cross-talk – wire-selectable
- UL Class II Division 2 HazLoc models available

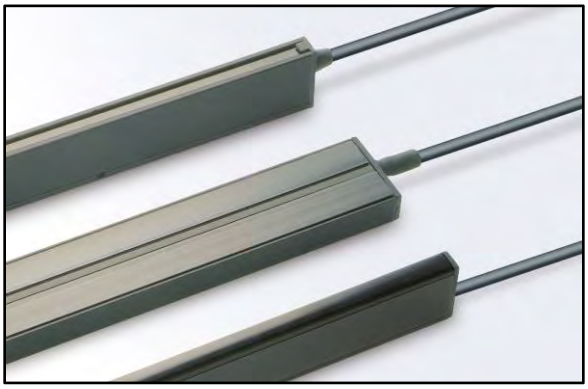
SPACEPAK™

- Operation mode and max sensing range:
  Thru-beam: 0 - 150'
  Diffuse proximity: 0 - 16'
  Retro-reflective: 0 - 39'
  Polarized retro-reflective: 0 - 33'
  Background suppression: 0 - 6.5'
- Compact rectangular housing (50x50 mm)
- Cable or quick-disconnect plug connection
- Sensitivity adjustment via potentiometer
- Switch-selectable light or dark operated
- 10-30 Vdc or 12-240 Vac / Vdc
- 4-wire, NPN/PNP transistor (DC) or 5-wire relay (AC/DC) output



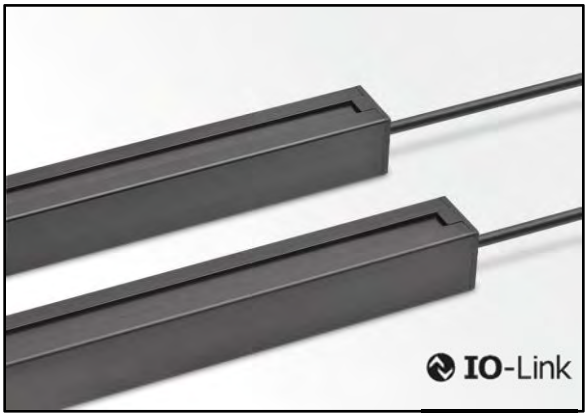
SPACEGUARD™

- Operation mode and max sensing range:
  Thru-beam: 0 – 50'
- Sensing height up to 9'
- 34 – 194 cross-scanning beams
- 12-36 Vdc
- Solid-state relay output
- IP67 water & dust-resistant aluminum housing
- Cable or quick-disconnect plug connection
- Test input
- Available UL325



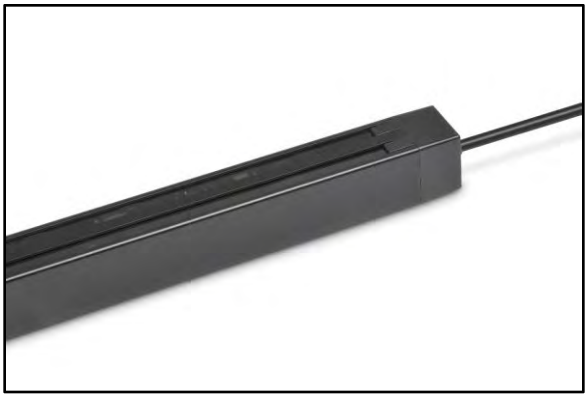
SPACESCAN™

- Operation mode and max sensing range:
  Thru-beam: 0 – 33'
- Sensing height up to 94"
- 5, 10, and 20 mm beam spacing
- Automatic sensitivity adjustment
- Selectable parallel or cross-scanning beams
- Blanking function
- Discrete (solid-state relay) or analog (0-10V / 4-20mA) output
- IP67 water & dust-resistant aluminum housing
- High shock and vibration resistance
- UL Class II Division 2 HazLoc models available



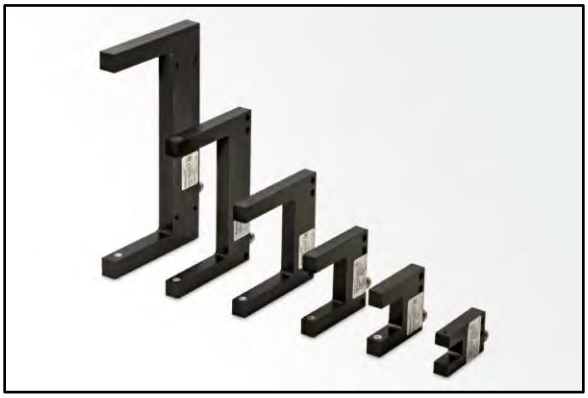
SGP 30

- Operation mode and max sensing range:
  Diffuse proximity: 0 – 51"
- Sensing height up to 71"
- Sensitivity adjustment via potentiometer
- Blanking function
- 12-30 Vdc
- IP67 water & dust-resistant aluminum housing
- Solid-state relay output
- High shock and vibration resistance



FORK AND FRAME SENSORS

- Fork sensor: 2mm to 220mm width
- Frame sensor: 50mm to 250mm width
- 0.5mm resolution (frame sensor)
- 10-35 Vdc
- 3-wire, NPN or PNP transistor output
- Fast response time
- Quick-disconnect plug connection
- Optional visible red light
- Optional cross bar



CABLES

- M8 or M12 connectors
- Straight or right-angle connector design
- PVC sleeve material
- PUR sleeve material available upon request
- 5, 10, and 15-meter lengths
- Longer lengths available upon request
- Connection cables, splitter cables also available

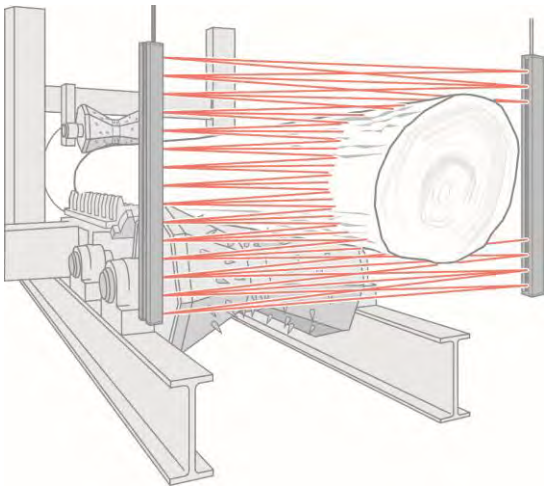
FIBER OPTICS

- Operation mode and max sensing range:
  Thru-beam: 0 – 25' depending on sensor
  Diffuse: 0 – 2.5' depending on sensor
- Cable lengths up to 30'
- Straight and right-angle tips
- Temperature range up to 464° F (752° F optional)
- Bifurcated or individual fiber construction
- Stainless steel sheath and cover

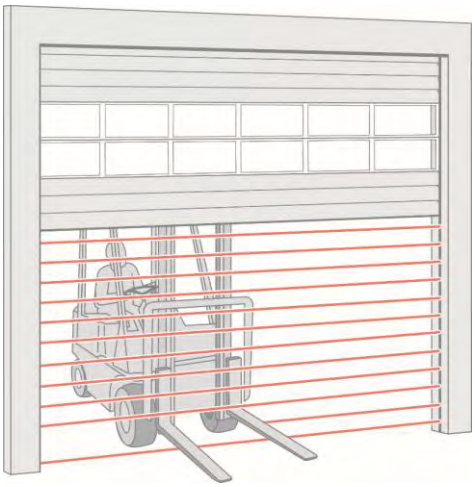
ACCESSORIES

- Power supplies
- Mounting brackets
- Apertures
- Light shutters
- Protective covers
- 90° adapters
- Retro-reflectors
- Reflective tape

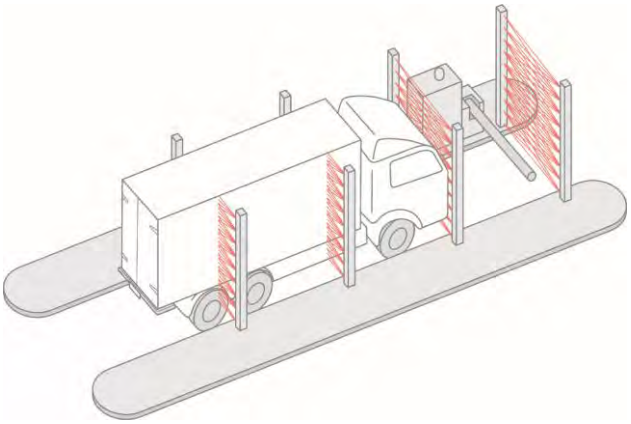
APPLICATIONS



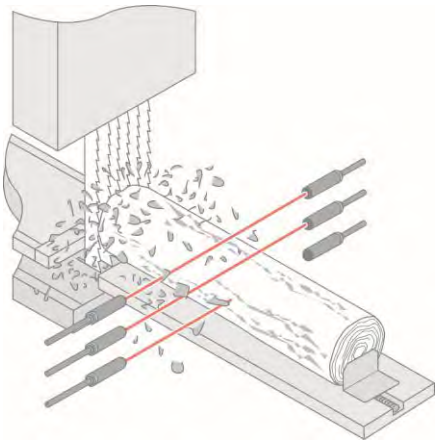
SAWMILL
Log Profiling



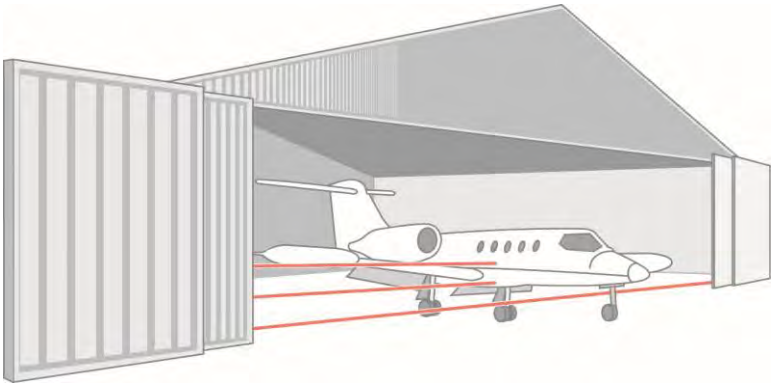
INDUSTRIAL DOOR
Vehicle and Pedestrian Detection



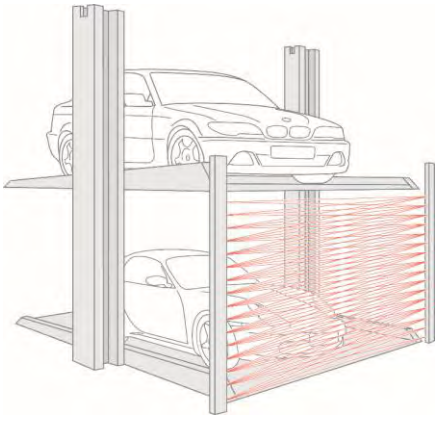
ACCESS CONTROL
Vehicle Monitoring and Verification



SAWMILL
Log Detection

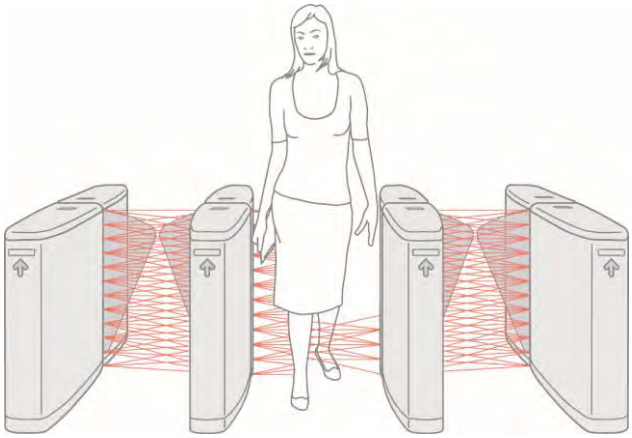


GATES
Plane and Vehicle Detection

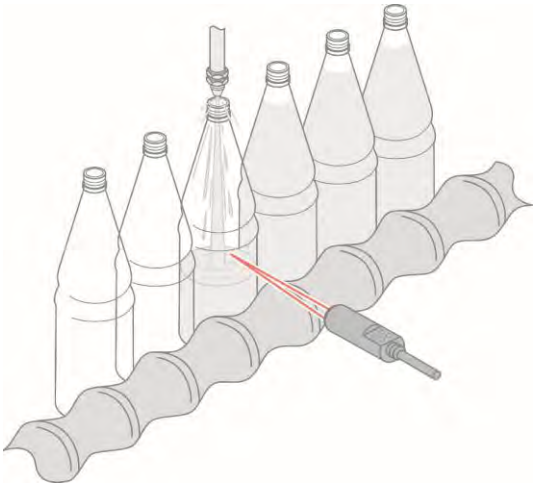


VEHICLE STACKING
Vehicle Positioning

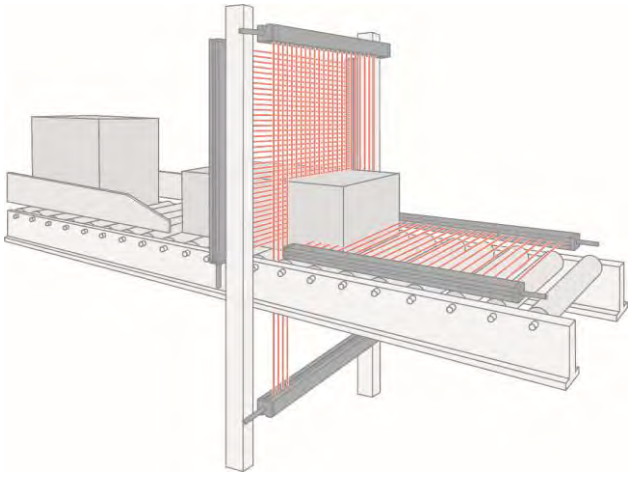
APPLICATIONS



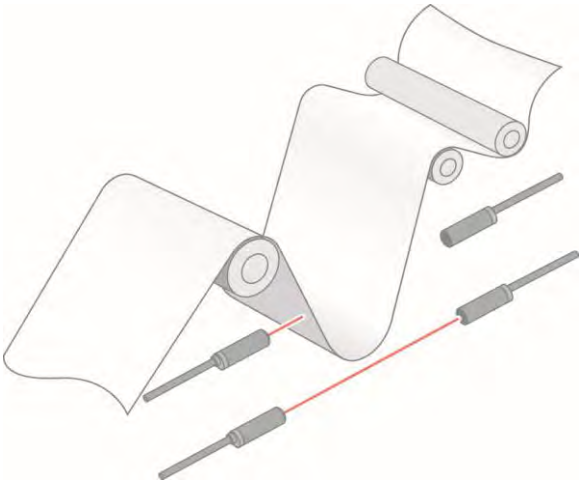
ACCESS CONTROL
Pedestrian Detection



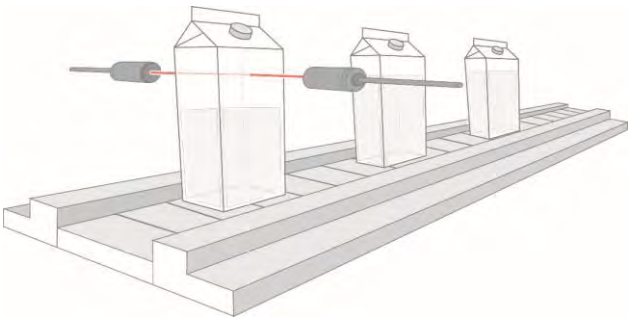
BOTTLING
Bottle Positioning



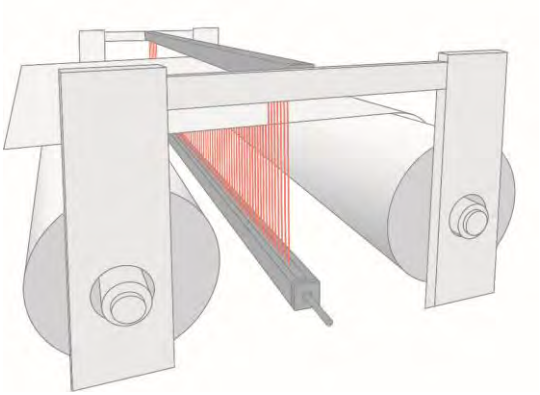
PACKAGING
Box 3D Measuring



PAPER & PRINTING
Loop Control



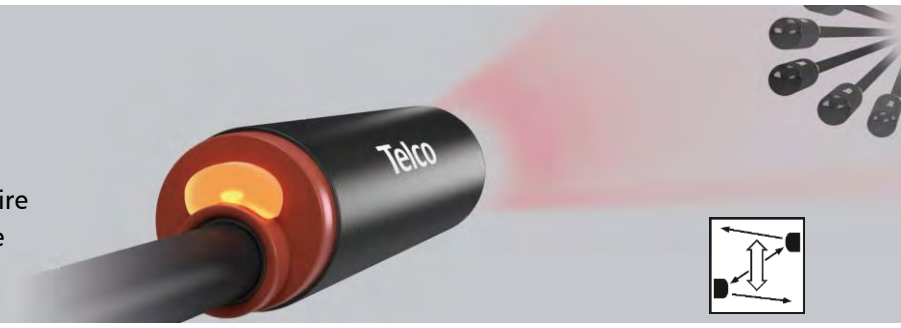
PACKAGING
Level Control



PAPER & PRINTING
Web edge guide and control

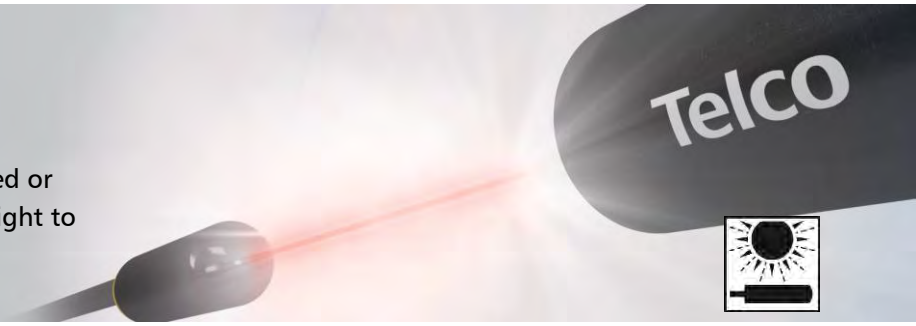
1 EASY INSTALLATION

Installing a Telco sensor is as easy as child's play.
Our sensors are easy to align and require no complicated set-ups that guarantee effortless installation every time.



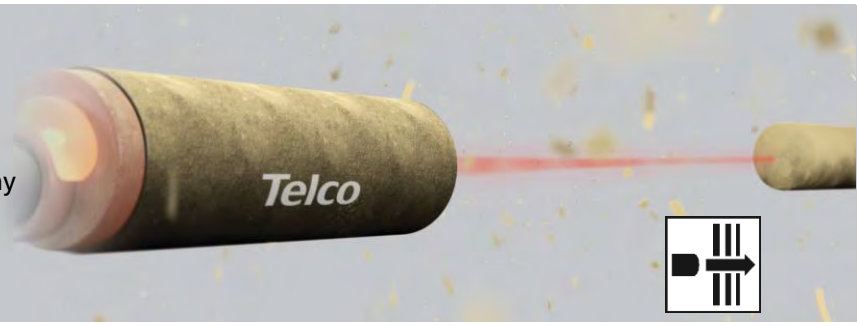
2 IMMUNITY TO LIGHT

No light will blind a Telco sensor.
Our sensors do not need to be covered or hidden from ambient or extraneous light to function problem-free.



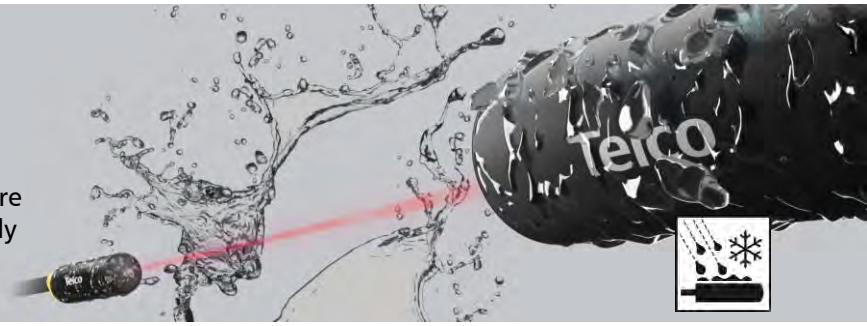
3 PENETRATION POWER

Severe contamination is no challenge for Telco's sensors.
Our infrared sensors penetrate through any contamination thrown at them and will operate relentlessly even in the most hostile environments.



4 WATER RESISTANCE

Telco sensors like it wet.
Our sensors are designed to withstand direct exposure to water and high-pressure spray and are capable of operating reliably in wet conditions.



5 SHOCK & VIBRATION RESISTANCE

Nothing endures maltreatment like a Telco sensor.
Our sensors can tolerate severe vibrations and physical impact without hindering lifetime or performance.

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