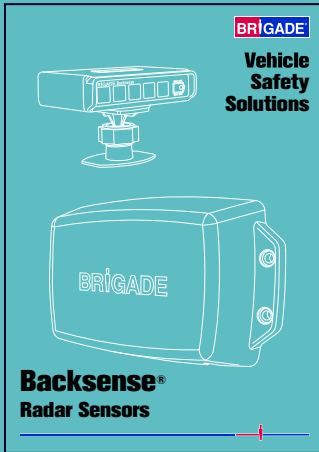


radar obstacle detection



Available Brochure

Bacsense®

Robust, long-range, continuous wave radar sensor systems designed for harsh conditions. Informs driver of distance between vehicle and any obstacles, whether moving or stationary. Perfect for all machines working in construction, mobile plant and refuse.

Choosing your model

Programmable

Top of the range programmable system allowing bespoke detection areas up to 30m in length and 10m in width, with the ability to calibrate out fixed objects or bodywork.



Fixed

Fixed detection length and width. Ideal on machines where no calibration is required. Detection range of up to 6 metres.



NEW

PROGRAMMABLE BACKSENSE OBSTACLE DETECTION



In-cab display

BS-8000 - Programmable detection range

4530

Sensor, AV display, 9m cable

- **12-24 Volts**
- **Detection length: 3 to 30m**
- **Detection width: 2 to 10m**
- **Rugged design for harsh environmental conditions**
- **Sensor size (WxHxD)
217 x 129 x 50mm**
- **IP69K sensor**
- **2 year warranty**

Features

- Frequency modulated continuous wave (FMCW) radar technology
- Effectively detects stationary, moving and multiple objects
- 1 activation input
- 1 trigger output
- Programmable:
 - Detection area
 - Blind zones - system ignores fixed objects
 - Trigger activation point
 - Buzzer
- 5 stage audible and visual distance warning display

- Resistant to water, moisture, dust, vibration, heat, cold, mud and glare

Power

- Current: 0.6 Amps

Durability & Standards

- Mechanical shock: 100G
- Operating temperature: -40 to +85°C
- CE marked
- EMC approved: E
- BS EN 13309: 2010
- ISO13766: 2006

NEW

FIXED BACKSENSE OBSTACLE DETECTION



In-cab display

BS-7030 - 3m detection range, 2.5m width

4527

Sensor, AV display, 9m cable

BS-7045 - 4.5m detection range, 3.5m width

4528

Sensor, AV display, 9m cable

BS-7060 - 6m detection range, 4.5m width

4529

Sensor, AV display, 9m cable

- **12-24 Volts**
- **Maximum detection range of 6m**
- **Rugged design for harsh environmental conditions**
- **Size (WxDxH)
217 x 129 x 50mm**
- **IP69K sensor**
- **2 year warranty**

Features

- Frequency modulated continuous wave (FMCW) radar technology
- Effectively detects stationary, moving and multiple objects
- 1 activation input
- 1 trigger output
- 5 stage audible and visual distance warning display
- Resistant to water, moisture, dust, vibration, heat, cold, mud and glare

Durability & Standards

- Mechanical shock: 100G
- Operating temperature: -40 to +85°C
- CE marked
- EMC approved: E
- BS EN 13309: 2010
- ISO13766: 2006

Power

- Current: 0.6 Amps

EXTENSION CABLES

BS-05DCX - 5m extension cable

4550

BS-09DCX - 9m extension cable

4551



OPTIONAL EXTRAS

BKT-017 - Adjustable radar bracket

4676

with 105mm depth bracket mounting arms

pulsed radar obstacle detection



Available Brochure

Backsense®

Robust long range sensor systems designed for harsh conditions. Inform driver of distance between vehicle and any obstacles, whether moving or stationary. Perfect for all machines working in construction, mobile plant and refuse.

Choosing your model

Xtreme

Top of the range programmable system allowing bespoke detection areas up to 10 metres and ability to calibrate out fixed objects or bodywork. Multiple sensors can be networked around the machine to offer comprehensive blind spot coverage.



Standard

Ideal on machines where only one sensor is required, with detection range of up to 6 metres.



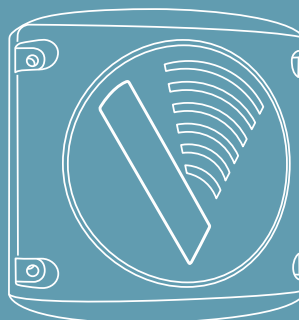
Worksight

Top of the range programmable system with excellent close range coverage, allowing bespoke detection areas up to 6 metres and ability to calibrate out fixed objects or bodywork. Multiple sensors can be networked around the machine to offer comprehensive blind spot coverage.



Workzone

Ideal on machines where only one sensor is required, with excellent close range coverage, and a detection range of up to 3 metres. Videolink version connects to Elite/Extreme range camera monitor system using monitor for overlaid visual and audible distance warnings.



XTREME BACKSENSE OBSTACLE DETECTION



In-cab display

BS-4100 - 10 metre cable version **3056**

Xtreme sensor, AV display, cab harness, 10m cable

BS-4200 - 20 metre cable version **3057**

Xtreme sensor, AV display, cab harness, 20m cable

• **12-24 Volts**

• **Programmable detection range up to 10m**

• **Rugged design for harsh environmental conditions**

• **Size (WxHxD)**
187 x 192 x 61mm

• **2 year warranty**

Features

- Effectively detects stationary, moving and multiple objects
- Programmable to calibrate out fixed objects, bodywork and attachments
- Effective through non-metallic objects (i.e. plastic or glass fibre bodywork)
- 2 output triggers to activate other safety devices
- Multiple sensors can be networked together for maximum danger zone coverage
- Self-diagnostic function
- Graduated audible and visual distance warning display

Power

- Current: 0.2 Amps

Durability & Standards

- Operating temperature: -40 to +85°C
- Resistant to water, moisture, dust, vibration, heat, cold, mud and glare

Please note:

Specialist fitting required if detection zone needs to be altered or programmed

SEPARATE XTREME COMPONENTS

XPV41Y12 - 12m Y-Piece adapter cable **3094**

XPV41Y6 - 6m Y-Piece adapter cable **3095**

XPV41CA - Cab adapter cable **3096**

XPV4165 - 20m extension cable **3097**

XPV4132 - 10m extension cable **3098**

XPV4116 - 5m extension cable **3275**

XPV4103 - Front-rear audio-visual display **3099**

XPV4104 - Left-right audio-visual display **3100**

XPV41PA - Power adapter cable **3102**

CD6102 - Audio-visual display **2986**

XPV4232 - Sensor with integral sensor adapter cable **2987**

STANDARD BACKSENSE OBSTACLE DETECTION



In-cab display

BS-1045 - 4.5 metre detection range **1250**

Standard sensor, AV display, 7.5m cable

BS-1060 - 6 metre detection range **1251**

Standard sensor, AV display, 7.5m cable

• **12-24 Volts**

• **Maximum detection range of 6m**

• **Rugged design for harsh environmental conditions**

• **Size (diameter)**
133mm

• **2 year warranty**

Features

- Effectively detects stationary, moving and multiple objects
- Effective through non-metallic objects (i.e. plastic or glass fibre bodywork)
- 1 output trigger to activate other safety devices
- Self-diagnostic function
- Graduated audible and visual distance warning display

Power

- Current: 0.2 Amps

Durability & Standards

- Operating temperature: -40 to +85°C
- Resistant to water, moisture, dust, vibration, heat, cold, mud and glare

STANDARD EXTENSION CABLES

SPV2105 - Standard 1.5m extension cable **2968**

SPV2110 - Standard 3m extension cable **1667**

SPV2115 - Standard 4.5m extension cable **1427**

SPV2125 - Standard 7.5m extension cable **1668**

WORKSIGHT BACKSENSE OBSTACLE DETECTION



WS-6020	- 6 metre detection range	4324
Worksight sensor, audio visual display, 9m cable		
WS-6020-45	- 6 metre detection range	4345
Worksight sensor, audio visual display, 13.5m cable		
WS-6020-60	- 6 metre detection range	4346
Worksight sensor, audio visual display, 18m cable		



Audio visual display

<ul style="list-style-type: none"> ▪ 12-24 Volts ▪ Maximum detection range of 6m ▪ Rugged design for harsh environmental conditions ▪ Size (WxHxD) 267 x 112 x 36mm ▪ 2 year warranty 	<p>Features</p> <ul style="list-style-type: none"> ▪ Effectively detects stationary, moving and multiple objects ▪ 2 antennas to improve close range beam pattern ▪ Programmable to calibrate out fixed objects, bodywork and attachments ▪ Effective through non-metallic objects (i.e. plastic or glass fibre bodywork) ▪ 2 output triggers to activate other safety devices ▪ Multiple sensors can be networked together for maximum danger zone coverage 	<p>Power</p> <ul style="list-style-type: none"> ▪ Self-diagnostic function ▪ Graduated audible and visual distance warning display <p>Power</p> <ul style="list-style-type: none"> ▪ Current: 0.2 Amps <p>Durability & Standards</p> <ul style="list-style-type: none"> ▪ Operating temperature: -40 to +85°C ▪ Resistant to water, moisture, dust, vibration, heat, cold, mud and glare
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WORKZONE BACKSENSE OBSTACLE DETECTION



BS-5130	- 3 metre detection range, buzzer version	3534
Workzone sensor, buzzer, 7.5m cable		
BS-5030	- 3 metre detection range, audio visual display version	3537
Workzone sensor, audio visual display, 7.5m cable		
BS-5045	- 4.5 metre detection range, audio visual display version	
Workzone sensor, audio visual display, 7.5m cable		



Buzzer



Audio visual display

<ul style="list-style-type: none"> ▪ 12-24 Volts ▪ Maximum detection range of 4.5m ▪ Rugged design for harsh environmental conditions ▪ Size (WxHxD) 235 x 11 x 44mm ▪ 2 year warranty 	<p>Features</p> <ul style="list-style-type: none"> ▪ Effectively detects stationary, moving and multiple objects ▪ 2 antennas to improve close range beam pattern ▪ Effective through non-metallic objects (i.e. plastic or glass fibre bodywork) ▪ 1 output trigger to activate other safety devices ▪ Self-diagnostic function ▪ Graduated distance warning 	<p>Power</p> <ul style="list-style-type: none"> ▪ Current: 0.2 Amps <p>Durability & Standards</p> <ul style="list-style-type: none"> ▪ Operating temperature: -40 to +85°C ▪ Resistant to water, moisture, dust, vibration, heat, cold, mud and glare
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WORKZONE EXTENSION CABLES

HRPV4110	- Workzone 3m extension cable	3536
HRPV4115	- Workzone 4.5m extension cable	3542
HRPV4125	- Workzone 7.5m extension cable	3535