SOFAMEL

PRODUCT SHEET

Portable obstacle detection system

ECHO GUARD 4

Ultrasonic detector

Portable ultrasonic system for detecting obstacles in blind spots, designed to reduce collision risks during mobile machinery manoeuvres. Includes control unit, 4 ultrasonic sensors, warning buzzer and 12 V power cable (cigarette lighter/USB). Tested with good results on backhoe loaders and forklifts.

KIT CONTENT:

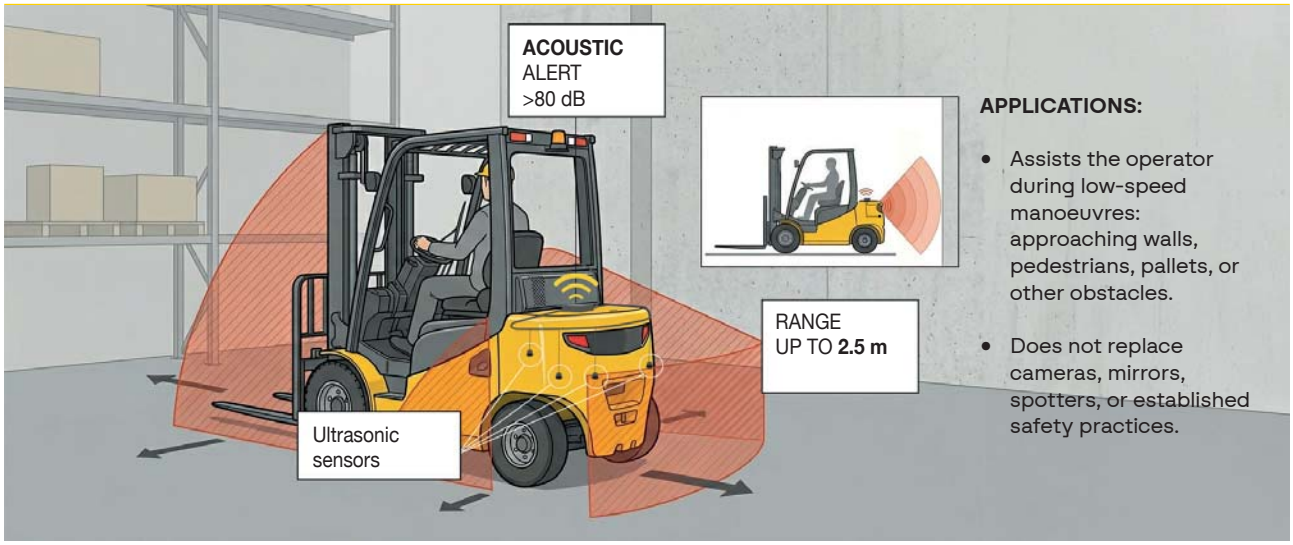
- Control box / unit
- 4 ultrasonic sensors
- Warning buzzer
- 12 V power wiring with USB terminal + cigarette lighter socket

MAIN FEATURES:

- Obstacle detection using ultrasonic sensors.
- Acoustic alert >80 dB via buzzer.
- Portable system: can be mounted and removed without permanent installation.
- Powered directly from 12 V cigarette lighter socket or USB.

TECHNICAL SPECIFICATIONS:

- Technology: ultrasonic, 40 kHz frequency
- Detection range: 0 cm – 2.5 m
- Power supply: 9–16 V DC
- Current consumption: 20–200 mA
- Acoustic level (buzzer): >80 dB
- Environmental conditions: rain and frost resistant
- Operating temperature: –30 °C to +70 °C



APPLICATIONS:

- Assists the operator during low-speed manoeuvres: approaching walls, pedestrians, pallets, or other obstacles.
- Does not replace cameras, mirrors, spotters, or established safety practices.

Code	Ref.	Cable length			
		Main	Buzzer	USB / cigarette lighter power supply	Sensors
31010000	**ECHO GUARD 4**	2 m	5 m	5 m	1,1 / 1,3 / 1,8 / 2,1 m