



Next generation object detection system

Robust central control unit especially designed for mobile machines



- ► Numerus options for application oriented system customization as for instance adjustable sending pattern, sensitivity or distance filter
- ► Leading sensor technology in small and compact design with highest accuracy ≤ 2 %
- ► Scalable system size with 4, 6, 8 or 12 ultra sonic sensors controlled by one single system control unit
- ► Automatic adaption to changing conditions due to sophisticated signal filter technique, interference suppression and multi-channel operation
- ► Diagnostic functionalities like sensor blindness detection ensuring a reliable feedback on actual system performance.







off-highway suitable

Hardware with highest protection class and variable power supply 12/24V

outstanding object detection

Optimized system for tough Off-highway applications

variable system configuration

Optimal integration in different machine types

TECHNICAL CHARACTERISTICS

Detection range	min	15 cm (Ø 7,5 cm tube)
	max	550cm (Ø 7,5cm tube)
Object presence		3-15 cm
Detection zone	horizontal:	±70°@3dB
	vertical:	±35° @3dB
Ultrasound frequency	modulating	43 to 60 kHz
Sensor output	Distances	2 direct echos + 1 filtered incl. amplitudes
Measurement rate	Sensor	~120 - 240 ms
Update cycle	ECU CAN	40 ms
Protection class	ECU	IP6K9
	Sensor	IP6KX, IPX9K
Com. interface	CAN	J1939, CAN ISO 11898
Power supply	ECU	9.3 to 31.8 V
Weight	Sensor	~14g
	ECU	~381g
Dimension	Sensor	Ø 23 mm
	ECU	190.7 × 118.3 × 40 mm