



TOPOSENS

AUTOMOTIVE DEV KIT – TECHNICAL SPECIFICATIONS

Please note: This information is preliminary

DETECTION AREA

Scan Range	0.01 – 5.20 m
Opening Angle	horizontal & vertical
at < 0.05 m	175°
at 0.20 m	150°
at 0.50 m	125°
at 1.00 m	100°
at > 2.00 m	30°

PERFORMANCE¹

Repeat Accuracy (< 1.50 m)	
Depth	< 0.01 m
Angular	0.7°
Repeat Accuracy (> 2.00 m)	
Depth	0.05 m
Angular	2°
Resolution (Data format)	0.001 m

¹Test object: 75 mm x 1000 mm PVC pole

SIGNAL

Center Frequency	40.0 ± 1.0 KHz (Ultrasound)
Sound Pressure Level	118 ± 5 dB



TOPOSENS

AUTOMOTIVE DEV KIT – TECHNICAL SPECIFICATIONS

Please note: This information is preliminary

PHYSICAL (SENSOR)

Size (L x W x H)	40 x 29 x 17.5 mm
Weight	25 g
Operating Temperature	-20 to 85°C
Protection Marking	IP67

ELECTRICAL (SENSOR)

Power	5 V DC nominal
Current Consumption	< 100 mA

INTERFACE

User Interface	Ethernet
Sensor Interface	I2C
APIs	ROS, MATLAB
Data Format	Point cloud coordinates (X, Y, Z, relative volume of echo)

OTHER INFORMATION

Number of Sensors	4
Installation	Clips for outside / inside bumper



TOPOSENS

Contact

Office Germany

Toposens GmbH
Blütenstraße 15
80799 München
Deutschland

+49 89 2375 1540
info@toposens.de

Sitz der Gesellschaft:
München, HRB 222256
USt-ID: DE303712743
Geschäftsführer:
Tobias Bahnemann,
Alexander Rudoy

Office USA

Toposens
c/o German Accelerator Inc.
1250 Borregas Ave,
Sunnyvale, CA 94089

+1 669 206 2139
info@toposens.com

Registered Office
Munich, HRB 222256
VAT-ID: DE303712743
Managing Directors:
Tobias Bahnemann,
Alexander Rudoy

