

## UMS - Ultrasonic Mini Sensor

Article number: 100114

Picture: UMS conduit installation  
(actual item may differ from photo)



### Description

INDECT's UMS is a ceiling-mounted ultrasonic sensor used for precise vehicle detection in indoor car parks. The UMS is part of INDECT's Space Administration System ISA.





The UMS is available with integrated space indicator LED or external space indicator LED, both in a double- or single-sided version.

The UMS is CE and EMC certified and has been developed and produced in compliance with ISO 9001.

### Advantages

- Ultrasonic transducer in automotive quality
- Smallest dimensions, ultra-flat design
- Rapid mounting through mounting plate and secure clamp system
- High-quality, fully encapsulated and dirt resistant ultrasonic transducer (IP65)
- Rapid wire connection through push-in direct connection terminals
- Cost-effective wiring with standard cable NYM-J 4x1.5 mm<sup>2</sup> / AWG16
- Remotely updateable firmware to guarantee state-of-the-art detection also of future vehicle types
- Sensor sound inaudible for humans
- Completely independent sensor operation also without central control
- Maintenance-free
- Available also with built-in or external RGB Space Indicator LED
- Cable compartment covers for C-channel installation, conduit installation and 3-knock-out cable compartment cover for flexible cable entry to be decided on site

## Commercial Data

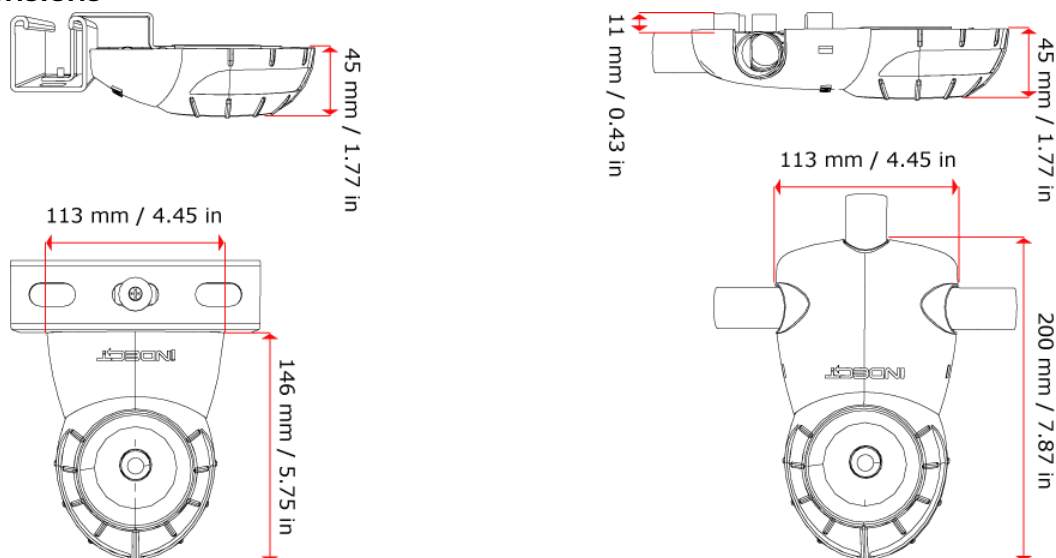
Article name	Article number	Customs tariff number	Weight per unit
<b>UMS</b> Ultrasonic Mini Sensor Ultrasonic sensor for precise vehicle detection in indoor car parks. Fully encapsulated transducer in automotive quality, IP65. Integrated or external LED space indicators must be ordered separately. 	100114		0.115 kg (0.254 lbs)
<b>COCO</b> Cable cover for conduit installation. For direct-ceiling installation with conduits or suspended conduit installation. 	1002491		0.020 kg (0.044 lbs)
<b>COCOclosed</b> Closed cable cover with 3 knockouts (2 lateral, 1 on back) for on-site decision where cables or conduits shall go in. IP40 with all 3 knockouts closed. 	1002494		0.025 kg (0.055 lbs)
<b>COCH</b> Cable cover for C-channel installation 	1002492		0.008 kg (0.017 lbs)

For Space Indicator LEDs (internal or external) please refer to respective data sheet SI<sup>in</sup> and SI<sup>ex</sup>.

For sensor installation option, please refer to the data sheet UMS Mounting System.

## Technical Data

### Dimensions



### Ultrasonic Sensor Data

Measuring principle:	Ultrasound
Measuring distance:	500 to 4500 mm (19.7 to 177 in)
Casing material:	Plastic
Casing colour:	RAL 7035
Ingress Protection of transducer:	IP65
Supply voltage range:	15 to 24 V DC
Power consumption:	UMS: 47 mA (according to equipment and settings); connected RGB-LED: 20 mA*
Ambient conditions:	-25 to 60 °C (-13 to 140 °F) 10 to 90% RH (non-condensing)
Storage temperature:	-30 to 70 °C (-22 to 158 °F)

\* Depending on the preset LED colour and brightness.

### Mounting

- Direct ceiling mounting
- C-channel mounting (see data sheet UMS Mounting System)
- Conduit mounting (see data sheet UMS Mounting System)

**Note:** The UMS must not be installed outdoors.

### Cabling

- Push-in direct connection terminals
- Recommended cable for connection: NYM-J 4x1.5 mm<sup>2</sup> / AWG16  
(A05VV-U 4 x 1.5 mm<sup>2</sup> / AWG16)

**Note:** Other cable types can be tested for suitability by INDECT upon request.

## Pictures / Drawings

UMS, C-channel-mounted with integrated space indicator LED's



UMS, conduit-mounted with external space indicator LED:

Special solution, built-in light channel above space; with external space indicator LED.



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