

# UMS TRACO

Article number: tba

Picture: UMS sensor, direct ceiling installation  
(actual item may differ from photo)



## Description

INDECT's UMS TRACO enables traffic or transit counting via standard UMS sensors, equipped with a special TRACO firmware. The sensors are installed indoor on the ceiling in the middle of the driving lane (consider lane width - see below) and count vehicles passing underneath. The UMS TRACO is part of INDECT's Space Administration System ISA.

UMS TRACO can be used for precounting of single space sensor-monitored sections or for zone counting of sections that are not monitored by space sensors (such as rooftops etc.)

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

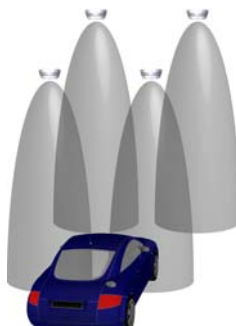
## 2 Options

UMS TRACO is available in two options:

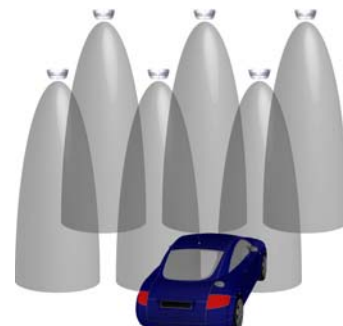
1. UMS TRACO 1x1: for one-way traffic only. One sensor is applied on the ceiling in the middle of the driving lane and connected to the Indect bus. The sensor is also connected to a standard MUMO (Multifunction Module) that conveys the inputs triggered by the UMS TRACO to the system. Please note that this option triggers counts by vehicles that drive in either direction - even though the lane might be only one-way! Furthermore, pedestrians can be picked up walking underneath the sensor, also triggering a count.
2. UMS TRACO 1x2, 2x2, 3x2: for bidirectional traffic. Depending on the lane width and the situation<sup>1</sup>, 2, 4 or 6 UMS TRACO sensors are installed in a grid of about 1.5 m (4,9 ft) and form a bus of their own, connected to a MUMO TRACO (Multifunction Module with special TRACO firmware) which is not in the INDECT bus. The MUMO TRACO permanently polls the sensors and conveys counts to a standard MUMO (in the INDECT bus) counting + or - for the selected section(s) in the car park.



TRACO 1x2



TRACO 2x2



TRACO 3x2

<sup>1</sup> Number of required sensors is project- and situation specific.

Please note that cars reversing or tailgating under the sensors, or objects moved underneath the sensors might cause erroneous counts. Furthermore, the UMS TRACO shall not be installed in lanes having parking spaces on the left and/or right of the TRACO installation spot.

## 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
- Maintenance-free
- 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 TRACO Set 1x1</b> Consisting of a UMS sensor with TRACO firmware and a standard Multifunction Module. Please order installation articles separately.			
<b>UMS TRACO Set 1x2</b> Consisting of a 2 UMS sensor with TRACO firmware, a Multifunction Module with TRACO firmware and a standard Multifunction Module. Please order installation articles separately.			
<b>UMS TRACO Set 2x2</b> Consisting of a 4 UMS sensor with TRACO firmware, a Multifunction Module with TRACO firmware and a standard Multifunction Module. Please order installation articles separately.			
<b>UMS TRACO Set 3x2</b> Consisting of a 2 UMS sensor with TRACO firmware, a Multifunction Module with TRACO firmware and a standard Multifunction Module. Please order installation articles separately.			
<b>Spare Parts</b>			
<b>UMS TRACO</b> UMS sensor with TRACO firmware.			

**MUMO TRACO**

Multifunction Module with TRACO firmware.

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

**Technical Data**

See UMS sensor and MUMO fact sheet.

**Mounting**

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

**Note:** The UMS TRACO 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)

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