



IC-Meter

Indoor Climate

IC-Meter Indoor climate and energy

Product overview 2017

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IC-Meter measuring box

IC-Meter Mobile (GSM)

- Measure temperature, humidity, CO₂ and noise dB (A) every 5 minutes with professional sensors and upload data via GSM to the IC-Meter Cloud
- Built-in GSM/mobile communication makes IC-Meter independent of the building's internet. Requires 2G Micro-SIM card with low data consumption (about 35 MB/month)
- Open data standards and free access to IC-Meter Cloud with online results, weather data, calculated key figures, data, reports and 'Control by Cloud' of heating and ventilation
- Option to connect external sensors with Microjack
- Supplied in a cardboard box including 5V DC / 1A power supply and 2-meter power cable, bracket for wall mounting or wall hanging
- Table rack available as accessory (Item no. 9010)

Placement. The box should be placed vertically and preferably wall mounted, which is the setup that provides the most accurate sound measurement (If sound measurement is carried out in the middle of the room, the measurement can be up to 6 dB (A) lower).

The ideal placement is on an interior wall approx. 1.2 meters above the floor. Avoid direct sunlight. Min. 1.5 meters from radiators, doors, windows, seating and min. 0.5 meters from corners is recommended.

Technical Specifications:

CO₂ Sensor: Sense Air. Measurement range: 380 – 10.000 ppm.
 Temperature and Humidity sensor: Sensirion SHT21. Measurement range: -20 – 80 °C (typ +/- 0,3 °C), 0 – 95% RH (typ +/-2% RH) (non condensed).
 Sound sensor: Invensense ADMP404. Sensitivity: 32 – 110dB (A).
 GPRS: Dual band 900MHz/1800MHz. Data consumption: about 35 MB/month.
 Power Consumption: 12 mA, 400 mA peak (100 mW average).
 Power supply: 5V DC/1A. Dimensions: L 14.5 cm x W 7 cm x H 2.5 cm.

Item no.	Description
1501	IC-Meter Mobile (GSM)

Read more at www.ic-meter.com



IC-Meter box and equipment

IC-Meter Mobile (GSM) in carrying case

- As 1501, but supplied in foam lined, lockable transport case with 5V DC / 1A power supply and 2 meter + 5 meter extension power cable, bracket for fixed wall mounting and acrylic stand to put on a table/shelf or wall hanging.

The case is suitable for IC-Meters that are moved around. It includes a 5 meter extension power cable if the IC-meter box must be placed at greater distances from the power outlet. The cable is low voltage (5V) and can be taped or hidden in a cable track along a panel.

Item no.	Description
1601	IC-Meter Mobile (GSM) in carrying case



Carrying case for IC-Meter

- Foam-lined, lockable carrying case in aluminium
- Room for 1 or 2 IC-Meters with equipment
- Includes a 5 meter extension power cable (Item no. 9021) and acrylic stand to put on a table/shelf or wall hanging (Item no. 9010)

Outside dimensions (L x W x H): 320 x 230 x 150 mm. Weight: 1.6 kg.

Item no.	Description
9001	Carrying case for IC-Meter



Table stand for IC-Meter

- Acrylic stand to put on a table/shelf or wall hanging.

Ensures that IC-Meter is in vertical position without covering the ventilation slots (requirement for the measurement accuracy). The plate can be used also separately for wall-hanging on a nail.

NOTE: Wall mounting is the setup that provides the most accurate sound measurement (If sound measurement is carried out in the middle of the room, the measurement can be up to 6 dB (A) lower).

Item no.	Description
9010	Acrylic table stand for IC-Meter



IC-Meter extra equipment

IC-Meter temperature + humidity sensor

- External sensor for measuring temperature or humidity
- Is connected to IC-Meter Mobile with the included 5 meter data cable (Item no. 9022) and configured under 'Box settings / Advanced / Extra sensors and Meters'
- Data is uploaded every 5 minutes and displayed online in the usual screen display and in data-reports

To supplement IC-Meters indoor climate measurements e.g. in ventilation ducts, on cold outer walls or flow temperature of a heating pipe.

Item no.	Description
2010	IC-Meter temperature + humidity sensor



IC-meter Mobile power supply 230V-5V for installation

- Power supply for installation in LK Fuga® 1½ wall mounting box
- 230V – 5V DC / 1A
- Without cable

For hidden power supply of the IC-Meter box, which can be placed at longer distances from the power supply, e.g. using a 5 meter extension cable (Item no. 9021) taped or hidden in a cable rail along panels.

Dimensions: (L x W x H): 68 x 44 x 27 mm.

Item no.	Description
9100	IC-Meter Mobile power supply for installation
9021	Extension power cable, 5 meter, white



Suitable for LK FUGA® 1½ mounting boxes, that can be purchased from electrical wholesalers.



IC-Meter cables

Extra power supply incl. 2 meter cable, white

- 5V DC / 1A
- 2 meter cable (USB he – Micro USB)
- Also included standard

Item no.	Description
9020	Extra power supply incl. 2 meter cable, white



Extension power cable, 5 meter, white

- USB he – Micro USB

Item no.	Description
9021	Extension power cable, 5 meter, white



Data cable, 5 meter, white

- Microjack – Microjack
- For uploading sensor and measurement data / control signal

Item no.	Description
9022	Data cable, 5 meter, white



Data cable, 5 meter, white

- Microjack – USB she
- For ON/OFF control signals

Item no.	Description
9024	Data cable, 5 meter, white



2G SIMcard

Telenor 2G SIMcard

- IC-Meter has an agreement with Telenor to offer 2G Micro-SIM cards. Ordering, delivery and billing is made through IC-Meter
- Works throughout Europe (via roaming partners)
- Payment in advance for subscription + data consumption for the rest of 2017. Consumption period may be extended one year at a time

The cards are without PIN code and only for m2m use (without talk/SMS/MMS). To avoid abuse, the usage has been restricted to the IC-Meter data consumption of approx. 35 MB/month.

Item no.	Description
9035	Telenor 2G SIMcard EUR, incl. subscription + data consumption up to 31.12.2017
9036	Telenor 2G SIMcard EUR, extra data consumption per year



Micro-SIM 2G m2m