

# AIRMO-1500



## Readout of fill levels Industrial gas tanks

### Scope of delivery

- AIRMO-1500
- Power supply cable 2m
- LTE-Antenna
- 2 Adapter 1/4" NPT

### Manufacturer

WIKON Kommunikationstechnik GmbH  
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AIRMO-1500\_Installation\_Guide\_ENGLISH\_V4.docx / Februar 2025

## Technical Data

Protection class:: IP68  
Dimension: 100 x 230 x 55 mm  
Weight: ca. 1400g  
Mounting method: Holding magnet  
Temperature range: -20° C bis +60° C

Power supply: 24 Vdc

Modem: LTE Cat 1

Antenna socket: SMA

Activation: Reed-Contact

LED-Lamps: NET status

off: Modem off  
flash: network search  
on: network connected  
green: ok  
orange: activ  
red: Failure

Device status

off: 24V Outage  
on: 24V ok  
green: OK  
orange: warning  
red: Alarm

## Manufacturer's declaration

### Description of the component:

The AIRMO-1500 is a device for measuring differential and operating pressure in gas tanks and transmission using LTE Cat1 technology.

### Applied standards:

The manufacturer declares compliance with the following standards / EMC directives for the named component:

EN61000-4-3	HF-radiation
EN55011	HF-emission
EN61000-4-4	Burst
EN61000-4-6	Inflow
EN61000-4-2	ESD

## Installation

The housing is IP68 protected and internally encapsulated. To maintain the IP68 property, the housing must not be opened.

The device may only be installed and put into operation by trained specialist personnel!

### 1. Mounting on the tank

Fastening the device to the tank using holding magnets.

### 2. Connecting the sensor:

Connect the pipes to the pressure sensor using a 1/4" NPT adapter.

### 3. Perform power supply

Connect the enclosed cable to a 24V power supply unit with at least 10W according to the cable assignment.

1	brown	24Vdc
5	grey	Ground

### 4. Activation:

Once the power supply has been established, the AIRMO-1500 is ready for operation. It establishes a connection with the LTE network and the data center.

### LED-lamps:

Status-LED:	green	Fill level ok
	orange	Fill level warning
NET-LED	flashing	NET search
	orange	Sending activ
	green	OK

### 4. Control and parameterization:

A message with the current fill level should be available on the data center.

Please set the differential pressure for the maximum fill level in the data center.

## Notes

SNo:
Phone No:
Gas:
Difference pressure for tank 100%:
Difference pressure for empty tank:
Installation date:
customer:
address:
Asset number:

## Manual

The manual is available online in German, English and French

