



Quickstart LubMon Connect

V1.00.13

Read the safety instructions and operating instructions in the manual prior to commissioning!

For any questions please contact:

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The device complies with CE requirements

Read the safety instructions and operating instructions prior to commissioning!



Note: Illustrations do not always precisely correspond to the original. No legal claim can be derived due to incorrect information. Product design is subject to change without notice.

1. Quick Start

The steps that must be executed for commissioning the **LubMon Connect** gateway are described below. The following components are necessary for this:

1. Gateway **LubMon Connect**
2. Connection of compatible sensors:
 - **LubCos H2Oplus II,**
 - **LubCos Level,**
 - **LubCos Vis+**
 - **OPCom II**
 - **Analogue sensors using analogue/CAN nodes µCAN.6.ai-SNAP**
3. Sensor cable (order number: SCSO 100-5020)
4. Power supply including rubber connector (order number: SCSO 100-5080)
5. Configuration software for **LubMon Connect** (www.argo-hytos.com)
6. Additionally for longer cabling: CAN standard cable (5-pole, M12), CAN-T pieces (5-pole, M12), CAN terminating resistors (5-pole, M12)

The configuration software for **LubMon Connect** can be downloaded from the website **www.argo-hytos.com**.

The components must be prepared as follows:

A) Software installation

1. Installation is not required. The individual components of the software package are executable immediately after the .zip file is unpacked.

B) Connecting LubMon Connect to the Internet

2. Connect **LubMon Connect** to the power supply and then correctly connect your power supply to line voltage.
3. Now establish a connection between **LubMon Connect** and the Internet. You can find detailed information about this in the manual.

C) Sensor connection

4. Make sure that the CAN interface is activated for all the sensors used, that the baud rate is set to the same known value and that the node IDs of the sensors are all different and known (the sensor configuration is explained in the respective manuals).
5. Connect the CAN sensor cable to the sensor with the M12x8 connector.
6. Connect the 9-pin CAN-Sub-D cable connector to the corresponding **LubMon Connect** interface.
7. Now connect the sensors and the **LubMon Connect**, if necessary using additional T-pieces and extension cables (cf.: Manual **LubMon Connect**).

D) Gateway configuration

8. Connect your computer to the same network as the gateway and start the tool "**Ethernet_Config.exe**". Configure the network settings of the gateway according to your requirements (cf.: Manual **LubMon Connect**).
9. The tool "**RI_Config.exe**" can then be used to enter the node ID and the CAN baud rate of the sensors. (cf.: Manual **LubMon Connect**).

2. Technical data

Data	Range	Unit
Environmental conditions, operation: Temperature Humidity	5..50 0...95	°C % r.H.
Environmental conditions, storage: Temperature Humidity	0..60 0...95	°C % r.H.
Power supply	12...28	V
Power consumption	<0.2 typ.; <0.3 max.	A
CAN interface Connector Bus speeds Protocol	SUB-D9 100 / 125 / 250 / 500 CANopen	- kBaud -
Ethernet interface Connection type Speed Protocol	RJ45 10 / 100 UDP	- MBit -
GSM Antenna Transmission power @ 850/900 MHz Transmission power @ 1800/1900 MHz SIM card type Frequencies	Stub Antenna FME 2 1 Standard SIM card 1.8V / 3V 850 / 900 / 1800 / 1900 (quad-band EGSM)	- W W - MHz
Optical displays Power LED Ethernet LED	Green Yellow	
Supported sensors	LubCos H2Oplus II LubCos Level200 LubCos Level375 LubCos Level615 LubCos Vis+ OPCOM II	- - - - - -

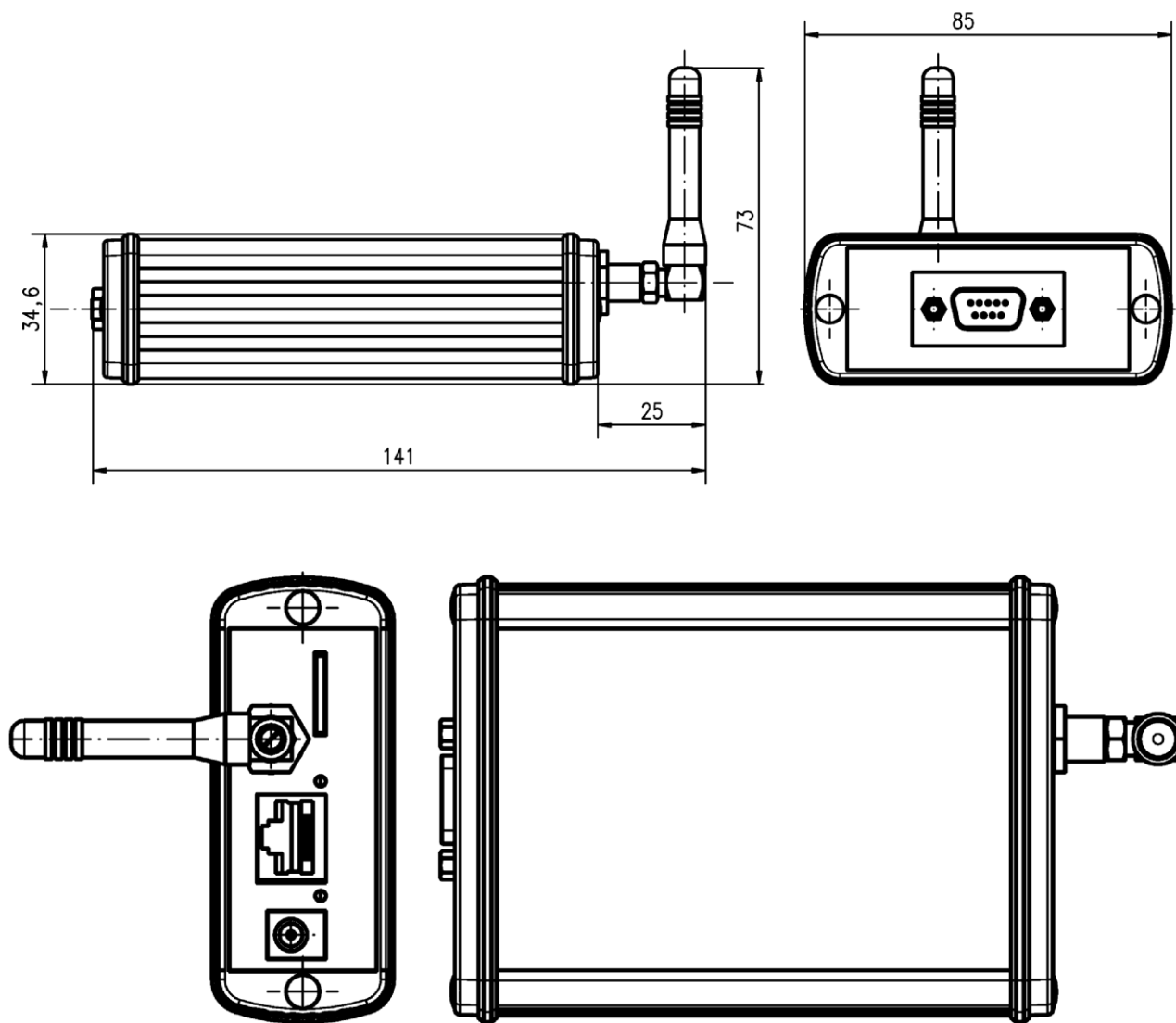


Fig. 2.1: Dimensional drawing

3. Installation

In order to facilitate integration and to make the connection as simple as possible, several attachment options are provided (cf.: **Fig. 3.1**). In addition, a corresponding cable can be used to connect an external antenna. An optimal transmission position can be achieved through an appropriate choice of cable length.

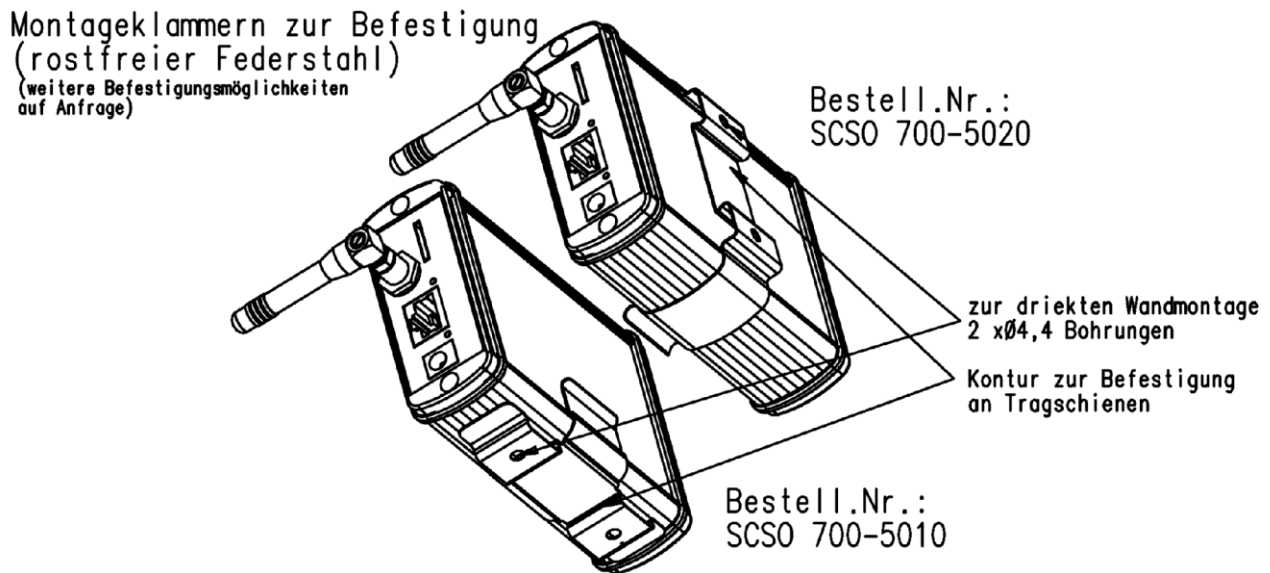


Fig. 3.1: Installation options for LubMon Connect

Please note the following guidelines with respect to the installation position and location of the device in order to ensure proper function.

- **LubMon Connect** is not protected against penetration by moisture and dust, meaning that a suitably shielded installation location should be chosen.
- The necessary environmental conditions and power supply must be provided (see Chapter 4 – Technical data).
- Network set-up and connection of the power supply must be performed by qualified personnel in order to ensure correct functioning!

4. Electrical connection



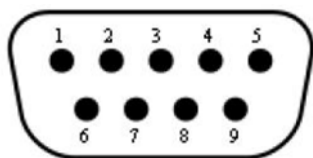
The electrical installation may only be performed by qualified professionals (trained electricians) with the power off and in accordance with the applicable standards and guidelines. The manufacturer will accept no responsibility in the event of improper installation.

4.1. General, plus safety notices

Comply with national and international guidelines for setting up electrical equipment.

Power supply in accordance with EN50178, SELV, PELV, VDE0100-410/A1.

De-energise the system for the installation and connect the device as follows:



(view of connector from the outside)

- Pin 1 ---
- Pin 2 CAN-L
- Pin 3 GND
- Pin 4 ---
- Pin 5 SHIELD
- Pin 6 ---
- Pin 7 CAN-H
- Galvanically isolated -----
- Pin 8 supply + (24VDC)
- Pin 9 supply –

Fig. 4.1: Pin assignments for the CAN interface

The permissible operating voltage is between 12V and 28 VDC. The sensor cable must be shielded. Pin 8 und Pin 9 are for the power supply of **LubMon Connect** and not for the power supply of the connected bus devices.