

elnikoBasis assembly and operating instruction

Initial operation

The subshell should be assembled on the wall or on the frame of the silo with delivered screws and dowels. Do not create the pressure sensor. The cables with $\varnothing 0,3 \text{ mm}^2$ could be extended at any length. Please insert the batteries and mind the polarity. Switch to the right the signal slide to "I". The contained capacity of wood pellets is indicated by a every ten seconds blinking LED. In addition a signal tone resound, which has to be switched of with the slide switch. After refilling of the silo the slide switch has to be switched to „I“.

Designated application



elniko is a product, which measures the filling level of wood pellets in a silo. You can measure pellet bulk material with the quality of DIN/ÖNORM ENplus A1 A2. The placement of the latest reserve (lowest sensor) can be fixed according to your demands. The higher the sensor is appropriated, the sooner the signal module will warn and the more pellets are inside the silo. We recommend to appropriate the sensor on that filling level, where you have enough wood pellets for two or three weeks before an alarm is given. By inserting the batteries, please mind the right polarity. It is not allowed to install the signal module inside the wood pellet storage (silo, buried tank, etc.). Danger of explosion! The cables of the sensors have to be fixed inside the silo with enclosed adhesive tape or cable clamps. It is not allowed to operate elniko, when the housing of the signal module is open, or components of the housing are missing. An operation in not allowed in damp areas, outdoor areas, in wet or high humidity areas. Other application than described is not allowed, because the product could be damaged or can cause other dangers like short circuit, fire, electric shock etc.. It is not allowed to change or to rebuild the whole appliance. The safety instructions have to be followed. We assume no liability in case of failed heating system.



Safety instructions

This assembly and operating instruction contains important information for a proper operation. Therefore read it carefully before installation. There is no liability for damages caused by not observing the safety instructions. We assume also no liability for consequential damages. We assume no liability in case of personal damage and property damage caused by not observing the safety instructions. In such cases any warranty claim will expire. This application left our premisses in an absolutely perfect condition. To maintain this condition and to ensure a safe operation, the user has to follow the assembly and operating instrucion. Following symbols have to be considered:



This application is CE-proven and complies with the EMV directive EN50081-1 (1992) and the Low Voltage Directive EN50082-1 (1997). Only for dry inside application. Because of reasons of safety and certificate of approval (CE) self contained rebuild or changes in the appliance is not permitted. Please consult an expert in case of any doubts about the operation, safety or connection of the appliance.

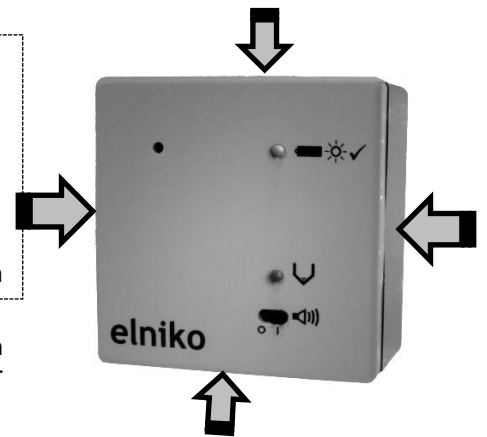
Battery indicator: When the green blinking LED does not work anymore, the batteries have to be changed.

Please do not use rechargeable batteries! They donot have the necessary voltage.

Technical data:	elnikoBasis
Voltage	4x1,5V AA
DC	75 μ A
Ambient temperature	-15°C bis 45°C
Dimensions	75x75x40 mm
Weight	180g
IP	41
Noise level of 10 cm	Approx. 75 dB

Scope of delivery:

- 1 x sensor with 5 m cable
- 4 x AA batteries
- 1m adhesive tape
- 2 cable straps
- battery box
- dowels/screws
- assembly and operating instruction



Opening of the housing: Press simultaneously with thumbs and forefingers of both hands on the middle of the side parts of the housing and remove carefully the cover forwards. Thereby pay attention to the cable connection.

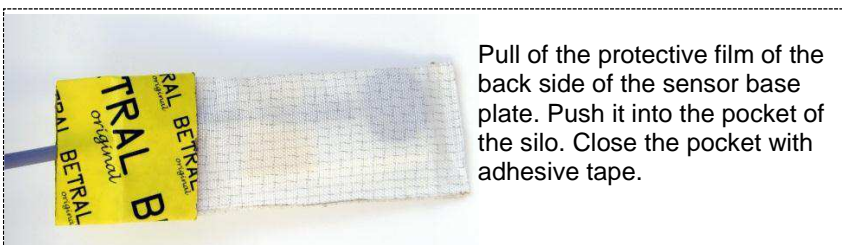
Assembling of sensor for fabric silo/buried tank elnikoBasis

For assembling of the sensor cable you have to open the fabric silo on the pipe clamp. Fix the sensor cable inside of the filling nozzle with cable straps. In case of several filling pipes you have to make sure, that the sensor cable is not assembled into the flight direction of pellets during filling.

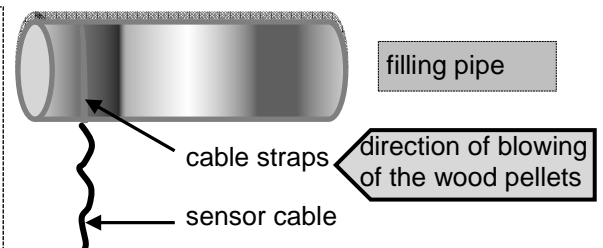
At GEOplast fabric silo the nozzle for adaption of the sensor cable should be dismantled.

Close everything again please. You can fix the signal module at the structure of the silo.

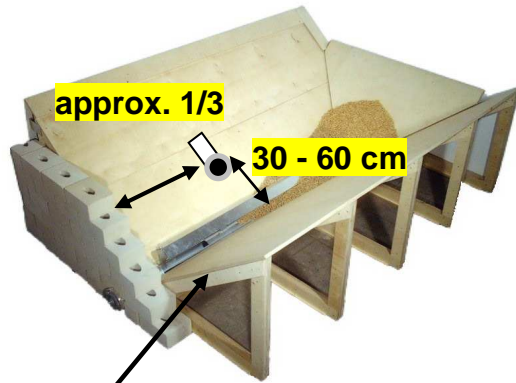
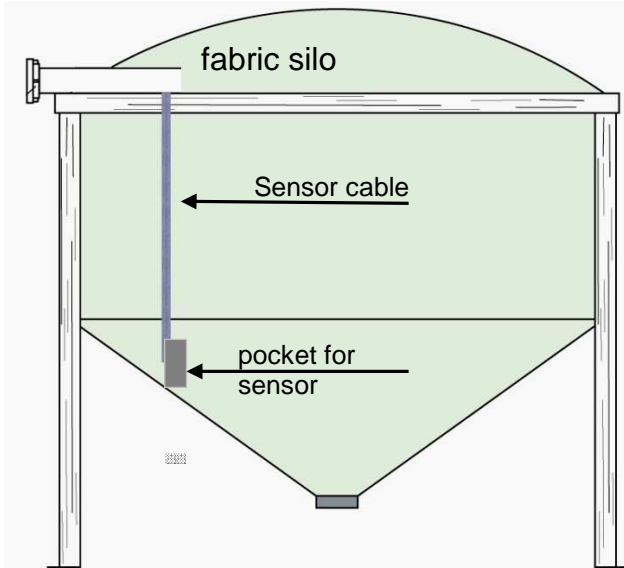
The cable of the sensor could be easily adjusted. You have to move the cable of the sensor or hung it longer or shorter in the silo.



Pull of the protective film of the back side of the sensor base plate. Push it into the pocket of the silo. Close the pocket with adhesive tape.



Assembly instruction for an angular pellet silo

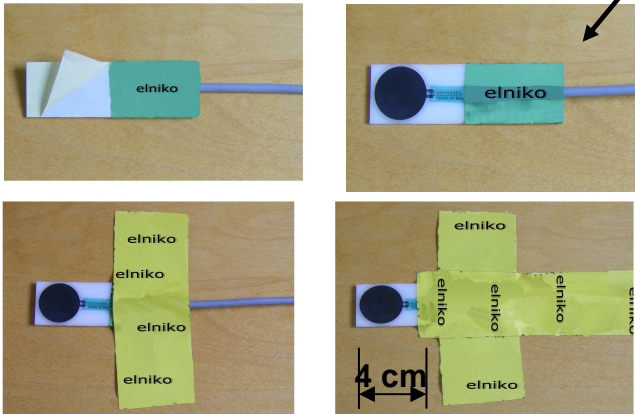


The cable of the sensor should not hang too deep. Otherwise it could be aspirated into the solid auger!

The sensor should be assembled on this height, that there will be enough time to order new wood pellets. The base plate of the sensor has to be affixed directly on the cleaned and dust-free angular bottom of the silo. The base plate is self-adhesive - just pull off the protective film. The cables, which are inside the silos should not be laid parallel to the auger. They have to lay vertical on the angular bottom. For fixing use the enclosed special adhesive tape (look at picture). For leading out the cables of the silo there have to be drilled a \varnothing 5 mm whole.

On silos made of metal (pe-la-modul-system, identical with RAPIDO, Windhagen, ESP) the assembling is as like as in the silo.

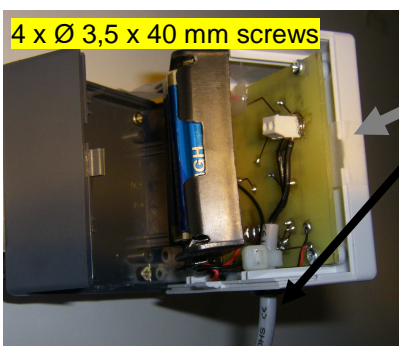
For leading out of the cable there have to be drilled a whole with \varnothing 6 mm. The whole has to be deburred, otherwise the cable could damage.



Storages for wood pellets should be aired before entering. Before Entering the heating system has to be switched off. During working inside the silos or reservoirs a second person should be outside the silo, because of protection!!!

Agitator-agitator plus (for pellet Big Bag look at the assembling of fabric silo). The sensor should be fixed 40 cm above the bottom. For leading of the cable please look at the safety instructions. Attention!

The sensor should be assembled in the middle of the space and not in edges!



Assembling of signal module elnikoBasis

- 1.) assemble the subshell on the wall, than
- 2.) fix the cable on the connector
- 3.) use cable strap for cord grip
- 4.) put the batteries into the battery holder
- 5.) connect the pressure plug of the battery
- 6.) the pressure plug of the battery container shows downwards
- 7.) the open side of the battery container shows to the wall
- 8.) close the housing with pressure
- 9.) After refilling of the silo the slide switch has to be switched ON.

The cable could be extended \varnothing 0,3mm² at any length.



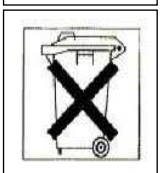
You have to refill the silo, when the red LED is blinking.



Change batteries, when the green LED does not work anymore.



Maintenance and Cleaning: The signal module is maintenance-free except of an occasional cleaning. The strenght of the sensor cable should be controlled from time to time. The device should be cleaned without any chafing, chemical and dissolver cleaning supplies with a clean, lint-free, antistatic and dry cloth. Period of guarantee is 12 months.



Disposal of used batteries: disposing into the household waste is prohibited! Toxic batteries are marked with adjoining symbol.

Herstellung of: elniko e.K. Thomas Strauss, Erkrather Strasse 318, D-40231 Düsseldorf
 phone:0049(0)211 240 67 990 www.elniko.de E-mail info@elniko.de
 Handelsregister HRA Nr. 22017 Amtsgericht Düsseldorf