



# MANUAL

## eGate nSens



## Maintenance

### Battery

The measuring module contains a 3.6V lithium thionyl chloride battery pack and the measuring module distributes power to the radio module and the measurement probe. The battery pack should not be replaced by the end user.

### Attaching/Detaching the modules

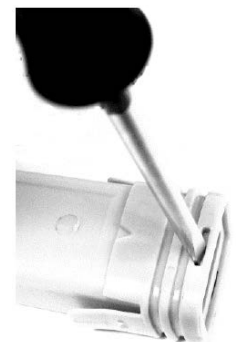
To detach the two modules, first grasp the measuring module on its locking latches and fully depress them to release the latches. Then pull the measuring module straight out of the radio module. You may need to wiggle the measuring module slightly to more easily overcome the friction caused by the two O-rings. If necessary, support the radio module by holding it in place with your other hand at the same time when pulling out the measuring module.

To reattach the modules, align the small, embossed arrowheads on both modules' housings (when they are aligned, also the labels on both modules are on the same side). Then push the measuring module straight into the radio module until the locking latches catch and click into place. The indicator led will blink shortly after the radio module is detected successfully. Note that, the blink may happen several minutes after the reattachment due to the power saving feature of the detection algorithm. The radio module should be detected and in operation within 10 minutes from the reattachment.

### Opening the measurement module

It's only necessary to open the measuring module to replace the battery.

- Detach the measuring module from the radio module.
- Use a large flat-bladed screwdriver to push the measuring module cover off through the rectangular hole (see picture).
- Pull the circuit board out.



Assemble reversely, taking care that the circuit board sits on the grooves.

### Replacing the battery pack

First detach the measuring module from the radio module and open the measuring module. Disconnect the connector of the battery pack from the circuit board. Detach the battery pack and dispose of it according to local regulations. Attach the new battery pack. Connect the battery pack connector to the receptacle on the circuit board.

### Recalibration

The enclosure exterior can be wiped with a damp cloth soaked in soapy water or isopropyl alcohol, except that it is not allowed to wipe the probe tip

### Cleaning

As the calibration data is stored in the probe, it is sufficient to recalibrate or replace the probe only.

### Storage

If the device is not used for a while, detach the modules to stop the radio transmissions and store the halves in a dry place. For longer storage, remove the battery also.

## FCC labels

FCC ID: 2A3B4FLEX21

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

## IC labels

IC: 28328-FLEX21

This device complies with Part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux la partie 15 des règles de la FCC et CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles les radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps

Under Industry Canada regulation, this radio transmitter may only operate using antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

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### Manufacturer

Nokeval Oy, Rounionkatu 107, FI-37150 Nokia, Finland