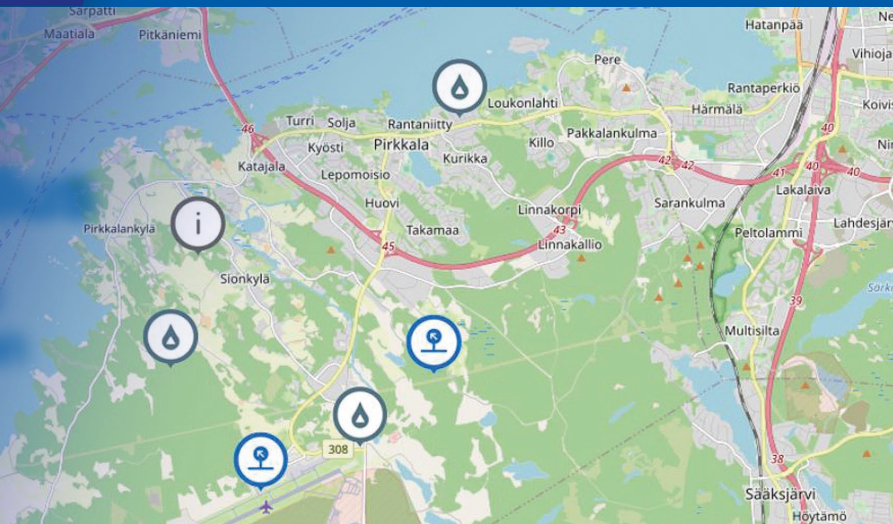# Datasheet

Labcom 442 pumping station

Labcom 442 pumping station application

Cost-effective solution for monitoring and controlling pumping stations

Together with the LabkoNet service, Labcom 442 forms a solution for both pumping station control and remote monitoring. Labcom 442 can either function as a simple remote monitoring device, in which case level control is handled by a separate automatic, or Labcom 442 can independently control pumps based on a level sensor connected to it.

The pumping station status and its parameters are easily managed from the LabkoNet web service. The Labcom 442 data transfer device can also be used without the LabkoNet service. The configuration of the pumping station, status queries and alarms are then transmitted as SMS messages.
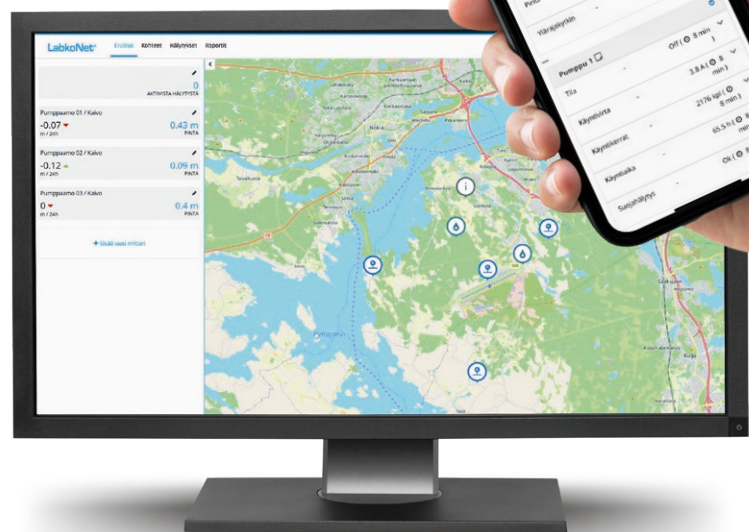
The LabkoNet service offers versatile pumping station monitoring, reporting and alarm transfer features. Alerts can be sent by text message or email, and rules can be defined for transferring alerts based on the day and time of the week. Remote control of pumps is also possible from LabkoNet.

In LabkoNet's device registry and maintenance history, the user can save pumping station-specific installation and maintenance instructions. This way, the instructions are available to all users and can be used on their mobile phones. The actions taken can be saved in a service book, which also supports attachments, such as digital photos.

LabkoNet® COMPATIBLE

Features
- **Cost-effective**
- **4G, LTE-M and NB-IoT communication**
- **Operating temperature -30°C to +50°C, IP65**
- **Optional internal battery backup**
- **Device and service registry**
- **Versatile alarm features**

Measures for a better tomorrow

Labkotec
INDUTRADE GROUP

Labkotec Oy
Myllyhaantie 6
33960 Pirkkala
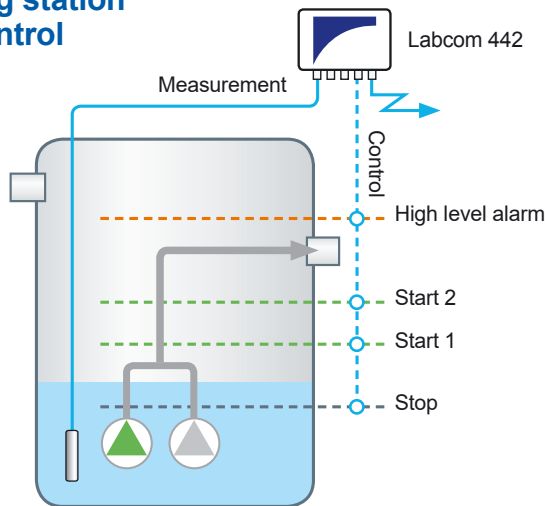Puh.   029 006 260
E-mail info@labkotec.fi
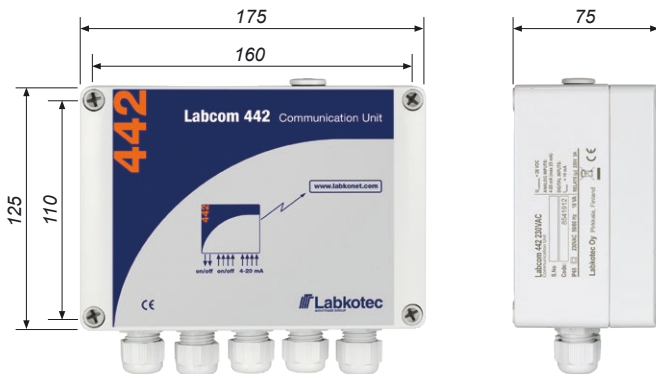
Datasheet

Labcom 442 pumping station

Labcom 442 pumping station features

- **Control one- or two-pump pumping stations**
- **Pump rotation (on/off)**
- **Pumping station direction selectable (emptying/filling)**
- **Pump-specific start-up limits and a common stop limit for pumps**
- **Configurable start-stop delays**
- **Pump current monitoring**
- **"Pump won't start" alerts**
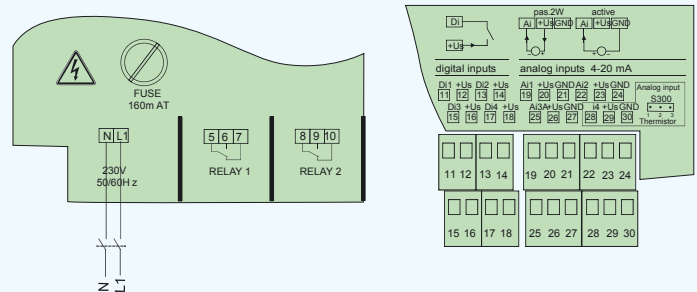- **Pump well high and low level alarms**

Pumping station level control

Labcom 442 measurements (mm)

Labcom 442 coupling

Labcom 442	Key	Connectors	
AI1	Pumping station surface	19 (-)	20 (+)
AI2	Pump 1 running current	22 (-)	23 (+)
AI3	Pump 2 running current	25 (-)	26 (+)
AI4	Free, e.g. P2 protection alarm(*)	28(-)	29 (+)
DI1	Pump 1 running status	11 (-)	12 (+)
DI2	Pump 2 running status	13 (-)	14 (+)
DI3	Free, e.g. high level alarm	15 (-)	16 (+)
DI4	Free, e.g. P1 protection alarm	17 (-)	18 (+)
DO1	Pump 1 control	5	6
DO2	Pump 2 control	8	9

(*) Digital data can be connected with Labcom 442 AI/DI converter

CE UK CA