

measure bulletin

Newsletter for the customers of Labkotec Oy

February 2011

POP-22 EX wireless level controller for pumping stations

POP-22 EX level controller to monitor levels, control pumps and valves.

DMU 08 pressure sensor.



POP-22 EX has all in one: LCD display, two relay outputs, one analog output, in-built Ex-barrier and programmability. It is easy, versatile, reliable, affordable and also approved according to ATEX Directive 94/9/EC. The versatile POP-22 EX level measurement and control unit can be used to indicate level, control pumps and valves and to send alarms.

Robust, proven method for liquid level control

There is an Ex-barrier inside as a standard feature. One Labko 2W or 3W series probe or any other analog 0/4...20 mA process instrument which is Ex approved and has proper connecting values, can directly be connected to POP-22 EX.

The POP-22 EX must always be located in the safe area.

POP-22 EX has a 2-line alphanumeric LCD display and an illustrative bar display. There is an analog output and two potential-free relay contacts.

Radio modems

Radio modems provide a wireless transparent data link on the European licence-free 868...870 MHz frequency band. It is designed for tight integration into the user's terminal equipment, and is particularly well suited for the transfer of data and control messages in medium range (1-10 km) applications. In accordance with the regulations on the use of the 869 MHz band, the maximum output power of the radio modem is 500 mW.

In case there is a need to extend the coverage of the radio modem network, modems can be used as repeater stations. By using the store and forward function, the radio modem buffers the received data and transmits it further using the same radio frequency as in the reception.

Main applications are:

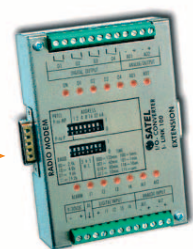
- Fuel oil tank level measurement
- Well level measurement and pump control
- Chemical tank pump control

I/O converter for wireless communication

The I-LINK 100 I/O converter together with radio modems facilitates transparent transfer of contact information or analog signals from one location to another. In the Point-to-Point operating mode the connection is between two points.

The I-LINK 100 can also be used in a Point-to-Multipoint mode, for transfer of information between a master station and several slave stations.

I-LINK 100 I/O converter.



Radio modem operates in a transparent transfer mode, which ensures compatibility with most user systems and protocols.

