



# APW Series Portable sludge blanket detector

PONAPW-VB

## 1) Powering up the device.

- This sensor is delivered connected to the control box in its case. (PONVM2). Between 2 utilizations, keep the sensor connected to the control box.
- Push the button Off/On.

## 2) Calibration.

### 2.1 Full transmission calibration.

- Check the sensor. Clean it if necessary.
- Dip the whole probe in clearwater and making sure that there aren't any bubbles both in the liquid and on the sensor.
- After the signal stabilisation, 100% of transmission must be indicated. Otherwise, adjust the value to 100% using the potentiometer.

### 2.2 0% transmission checking.

- Occult optical glasses using a rag (for example) in order to stop the light flux (like a very concentrated sludge).
- This 0% value is long-time stable because independant of optical fouling (no recalibration is needed).

## 3) Measures.

- Submerge the sensor to enter the sluge (the signal suddenly decrease).
- The sludge blanket level is read using cable measuring markings.

## 4) Maintenance.

### 4.1 Sensor: PONCIR-VB5-S10

- Clean the probe and the optical lens using a sponge with soap water. Then clean the optical lens with a soft linen in order not to scratch.

### 4.2 Battery change.

- The « LOBAT » indicator on the display indicates that the battery could be change : remove the transparent cover, open the battery compartment and replace the 9 V battery (6LR61).  
Observation : It is normal to see « LOBAT » on the display for a short time during the switching-off.

### 4.3 Control box and connectors.

- Keep connectors dry and clean or connected if possible.
- A temperature above 80°C could make the control box worse.