



environmental solutions.

EHP-QMS

CONTINUOUS WATER QUALITY MONITORING IN FIELD CONDITIONS



Water quality in field conditions (such as ponds, basins, lakes, rivers, ditches, channels and pipes) can be monitored online year-round by using the EHP-QMS monitoring station. The system is portable, easy to move and developed to operate specially in harsh, cold conditions. The monitoring data is transmitted wireless via GSM/GPRS -modem and the power is supplied by rechargeable batteries and solar panels. The solution is utilised, for example, in mining, energy, pulp and paper sectors, landfills, oil and gas industries, forestry and administrative control.

WITH THE EHP-QMS YOU CAN MEASURE:



- Water conditions such as temperature, pH, conductivity, turbidity, suspended solids, dissolved oxygen
- Biological content, including COD, BOD, TOC, DOC
- Oil-in-water
- Dissolved metals (Ni, Cu, Zn, Pb, Co)
- Water level and flow

EHP-QMS can be connected to EHP-MS –monitoring station or EHP Environmental Buoy to provide a perfect solution for a year around continuous measurement even in harsh northern conditions.

EHP ENVIRONMENT LTD

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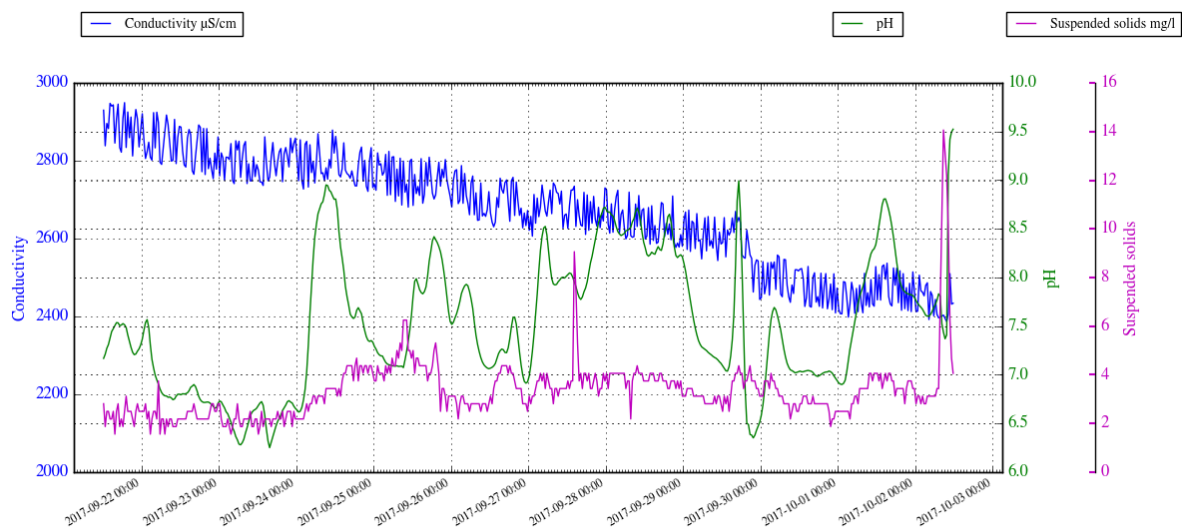
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CONTINUOUS OPERATIONS

The datalogger is programmed to collect, process and transmit the measured data to EHP-Dataservice, customer's automation system or server. In addition, it can be programmed to send sms and e-mail alarms from the measured parameters according to the customer's needs. The solution is ideal for process control and environmental monitoring since sensors can be freely chosen depending on the monitoring requirements.

TECHNICAL SPECIFICATIONS

- **Size:** max. 250 x 350 x 450 mm
- **Weight:** 5 - 10 kg
- **Operating temperature:** - 40 ... + 85°C
- **Operating channels:**
 - 6 analogue
 - 2 digital
 - possibility to add more
- **Measuring interval:** minimum 1 minute
- **Data transmitting interval:** minimum 5 minutes
- **Outputs:** 12 V / 0-5 V / 4-20 mA
- **Power consumption (standby):** 0,1 mA
- **Power supply:** 12 VDC or 240 VAC
- **Power:**
 - Accumulators (typically) 9 ... 25 Ah
 - Solar panels 10... 20 W



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