

ECM for hydropower plants

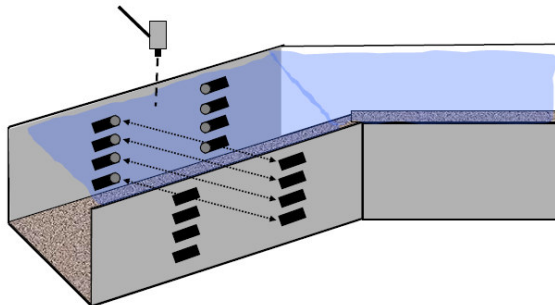
Water level monitoring instruments

Principles:

- Ultrasonic
- Radar
- Capacitance
- Floater
- Pressure



Flow monitoring:



- > Highest possible accuracy (up to 0.5% / 1%)
- > Redundancy and high process reliability
- > Perfect customizing to customer's application



Oil leakage monitoring



Oil in water and surface layer monitoring

Complex Water Quality Monitoring Stations below Hydropower Plants

Online water quality monitoring of:

- Level
- Temperature
- Flow
- Physical parameters (pH, ORP, EC)
- Turbidity
- DO
- Organic pollution (COD, TOC, BOD)
- Oil in water
- Phosphates, sulfates, nitric compounds
- Heavy metals



Remote water monitoring station in Allahabad (monitored parameters: TSS, COD, BOD, EC, pH, Temp, NH₄, DO, Chloride, NO₃-N)

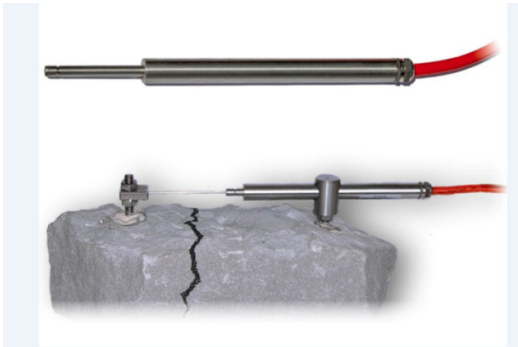


Sensor systems for monitoring of leakages and stability of hydropowerplant constructions

- Indication Measure
- Longitudial Measuremense
- Pressure, Force Temperature
- Leakage Water



Load cells PRE



Load cell PRE 1000/100/80 monitoring a retaining wall



Rockmeter RME3



Automatic Leakage Water Measurement



Clinometer ECS1000HBL



Manual Leakage Water Measurement



ECS1000HBL Sensor



Rockmeter TRME4



Manual Leakage Water Measurement



Set bolt for ECS1000HBL