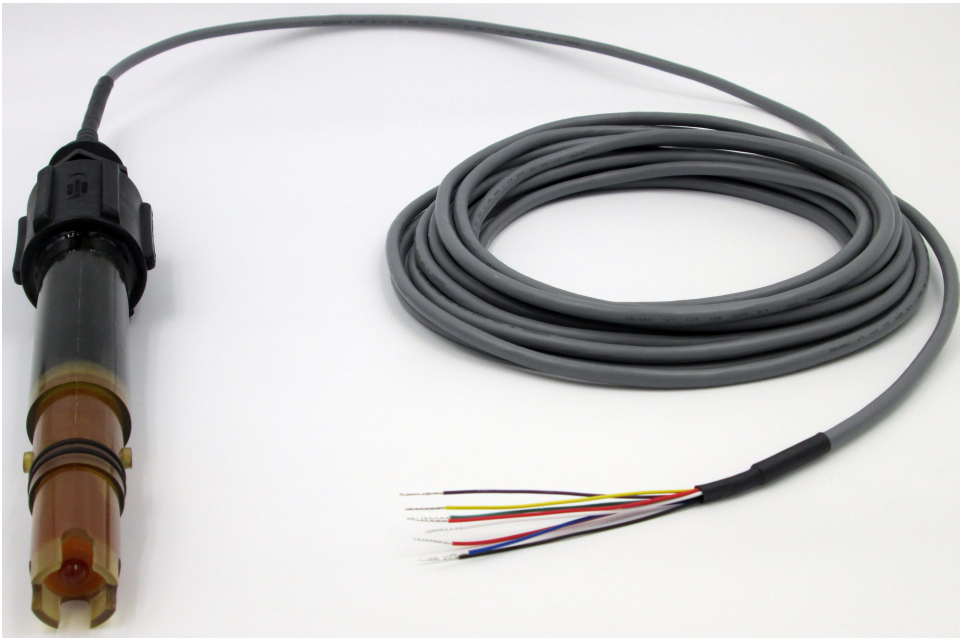


## Mining

### Mining Case Studies



#### Case Study #5 High Temperature Agitated Slurry Copper Ore Mixtures

- Agitated heavy slurry mixtures are endured by the sensor by use of a strong break resistant thick-wall pH glass element (nearly unbreakable under ordinary mining slurries use)
- Build up on reference element is minimized by solid state reference system, which also allows for aggressive chemical and mechanical cleaning
- Retrofit sensor can connect to almost any existing pH Transmitter

- Advanced waterproofing assembly allows for continuous submersible installation with little or no solution intrusion onto cable from back of probe
- Unique sealing technology that is custom built and engineered for mining applications allows for continuous and aggressive dissolved ammonia gas exposure

**Download to Read More Features:**

**[Case Study #5 PDF](#)**



**Case Study #8  
Rugged pH and Cyanide Ion Selective  
Mining Sensors for Gold Leach  
Applications**

- Cyanide Sensor has been engineered for gold mining to optimized stability and lifetime
- Custom pH sensor with solid state triple junction reference system and thick wall rugged pH glass element can withstand continuous use in agitated slurries

- Unique Dual Channel pH/CN- Analyzer and automatically output total (pH compensated) cyanide using only a pH and cyanide ion selective sensor

**Download to Read More Features:**

**[Case Study #8 PDF](#)**



**Case Study #9**  
**High Temperature Agitated Slurry**  
**Nickel Ore Mixtures & Solvent**  
**Extractions (SX)**

- Agitated heavy slurry mixtures are endured by the sensor by use of a strong break resistant thick-wall pH glass element (nearly unbreakable in most mining slurries)
- Build up on reference element is minimized by solid state reference system, which

also allows for aggressive chemical and mechanical cleaning

- Retrofit sensor can connect to almost any existing pH Transmitter
- Advanced waterproofing assembly allows for continuous submersible installation with little or no solution intrusion onto cable from back of probe
- Unique sealing technology that is custom built and engineered for mining applications allows for continuous and aggressive dissolved ammonia gas exposure
- Unique organic solvent & hydrocarbon resistant reference systems and sealing technology allow for continuous submersed sensor use with little degradation

**Download to Read More Features:**

**[Case Study #9 PDF](#)**