

Corrosion monitoring

Based on the intelligent cathodic protection system, ER corrosion rate probe was used to monitor the pipeline corrosion rate caused by ac/DC stray current and verify the effectiveness of cathodic protection. The permanently installed probe ring gPIMS is used for conducting wave monitoring in high-risk and high-consequence areas of the pipeline. Andong Detection is an independent third-party detection and monitoring organization in China, which has carried out research on oil and gas pipeline corrosion monitoring technology and has an independent equipment service team.

Technical Feature

- Pipeline Corrosion Rate Monitoring
 - A exposed test piece was used to simulate a defect in the anticorrosive layer.
 - Dot require excavation and removal of the test piece to measure the corrosion rate
 - Data recorder can measure and record pipeline potential, AC voltage, current density, diffusion resistance, etc
 - Data can be imported into the computer through the interface or transmitted wirelessly using GSM/GPRS network
- Ultrasonic Guided Wave Monitoring
 - High-risk areas, one-time installation, permanent monitoring, improve operational safety
 - Significantly reduce labor costs and excavation costs
 - Easy to collect data repeatedly, reading/quarterly/annual data comparison, and better monitoring of pipeline changes
 - Advanced polyurethane housing, waterproof, corrosion resistant and external impact resistant
 - Install fast, thin probes and smart sensors



Flush type
ER Corrosion Rate Probe



Ultrasonic Guided Wave Monitoring

Service Scope

- Suitable for all kinds of crude oil, product oil, natural gas transmission pipeline
- Suitable for all kinds of natural gas pipelines in cities

Qualification

- Independent research and development of intelligent test pile
- 3 monitoring and evaluation technical teams

Service Performance

- Service market covers: Tarim Oilfield, Southwest oil and gas field, Western pipeline, West-east gas pipeline, southwest pipeline, etc
- 10 years of industry service experience, accumulated monitoring pipeline more than 5000 kilometers.