

Fiber optic monitoring

Fiber positioning monitoring technology, it is with the pipe trench laying optical cable as sensing medium, when the pipeline engineering machinery in the construction, drilling or near the leak, the vibration signal will be passed on soil sensor cable perception, and the discriminant analysis of signal, realize the real-time monitoring of pipeline, positioning, early warning and alarm, alarm information linked to the third party system.

Technical Feature

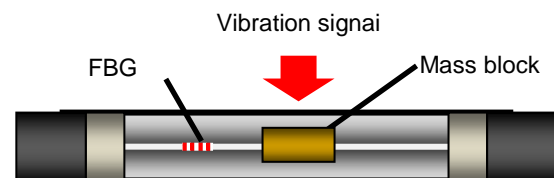
- More accurate physical location: TIME division multiplexing, multi-channel parallel demodulation technology + physical location
- Fiber Bragg grating mass block vibration signal in the real sense of sensing optical cable: temperature measurement with one core, vibration measurement with one core; Realize multi - parameter measurement
- grating array fiber optic cable is more suitable for sensing vibration information around the pipeline, with higher sensitivity and more accurate physical positioning than ordinary communication fiber optic cable
- fiber Bragg grating array pipeline safety warning technology is one of the core technologies in the construction of intelligent, information and digital pipelines

Service Scope

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

Qualification

- 96 sets of leakage detection and monitoring equipment
- three 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

