

CableSniffer

New method of locating cable faults

When a power distribution cable fails, many gases are produced by the burning insulation. Detection of the highest levels of these gases gives an accurate location of the fault.

EA Technology has developed and successfully field-tested an instrument, the CableSniffer, which fulfils this role.

The CableSniffer literally sniffs out these gases, and by comparing the concentration of gases at different locations, provides an accurate method of fault location. This can dramatically reduce the number of excavations required.

An essential tool in fault location, this instrument is particularly valuable in emergency situations where fast location is required, and trials have shown that the CableSniffer can locate faults many days after the failure occurred.



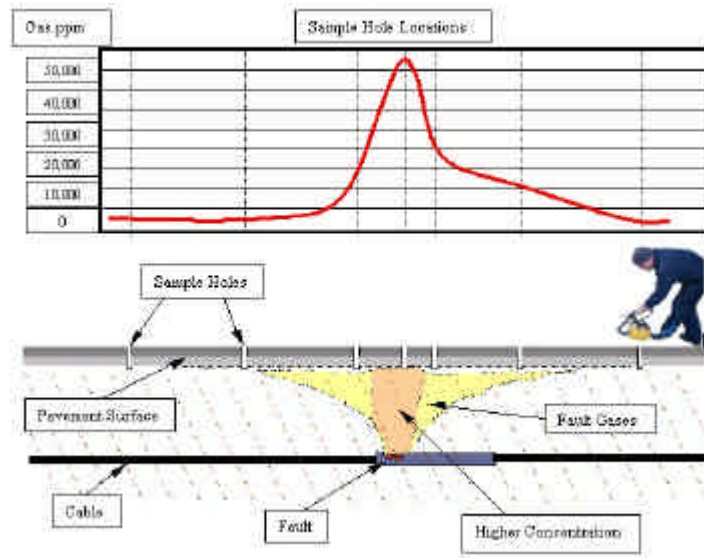
The UK Electricity Companies estimate the average cost of excavating a hole to be £1,000. The CableSniffer reduces the number of holes dug during fault location by approx. 50% making the technique extremely cost effective.

Benefits

- Easy to operate
- Accurate to within one metre
- 50% Fewer holes, less digging
- Fast fault finding on underground LV cables
- Lightweight, portable, rechargeable
- Can locate faults up to one week old

Locates all of the common cable types including

- Waveform (XLPE insulation)
- Polyurethane Joints
- Paper Insulated Lead Covered (PILC)
- Districable (Paper Insulated PCVC Covered)



Specifications

- A gas sensor array, customised to detect the characteristic gases
- Highly advanced air circulation system, incorporating filtration and humidity control
- Temperature and Humidity sensing and regulation for a wide range of operating environments
- Thirty hours continuous use battery life
- Working temperature 0-40°C
- High impact polycarbonate/polyester blend case
- CSA/NTRL and UL classified intrinsically safe (class 1, division 1, groups A,B,C, and D)
- Weighs 2.25kg



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