

Mikron³ PrimeTouch[®] App

Wireless ground microphone for leak location

The **Mikron3** ground microphone enables very high quality surface listening to confirm a leak position. The **Mikron3 App** is selected on **PrimeTouch**, which also hosts **Eureka3**, thus combining correlation and leak listening on a common operating platform. The touch-screen provides very simple operation.

Features

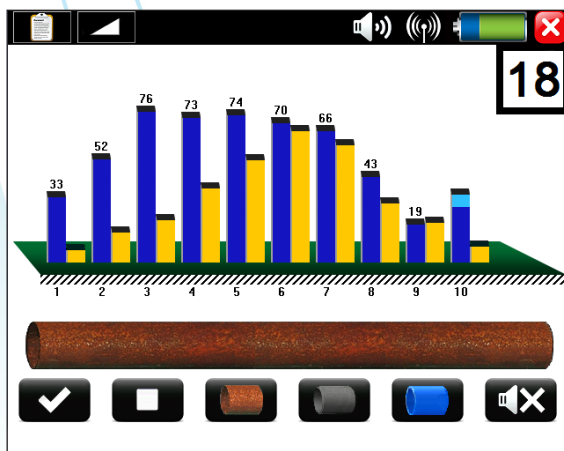
- Very high quality acoustic performance
- Touch-screen operation
- Wireless sensor communication for reduced wind noise
- Minimum noise level bar display
- Optional frequency analysis bar display
- Full frequency spectrum display

Minimum Noise Level display

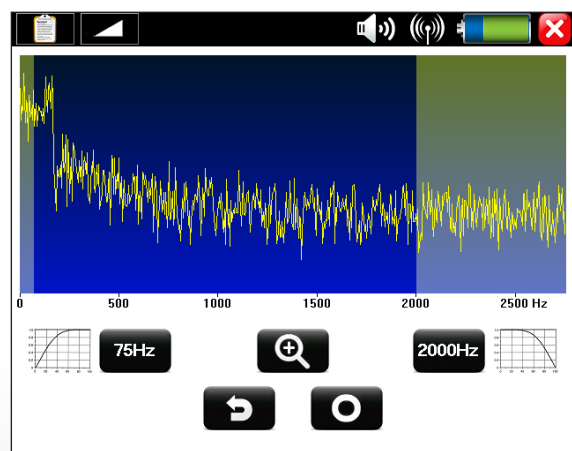
Leak noise propagates from the leak to the ground surface where it can be detected using the sensitive ground microphone. For accurate leak pinpointing **Mikron** displays the *Minimum Noise Level*. This is the background noise level, including leak noise, but without transient noises, such as traffic.

Frequency display

To further enable accurate leak pinpointing **Mikron** also displays the frequency content detected as a bar graph. This will increase as the sensor is positioned closer to the leak.



Bar graph display of minimum noise levels + frequency



Display of frequency spectrum

Sensors

- When the area of pipeline leakage has been defined then pinpointing is carried out using the ground microphone on flat surfaces. This provides excellent isolation from airborne noises due to the rubber cushioned housing plus wireless communication.
- Tripod adaptor is fitted to the base of the ground microphone for use on rough surfaces and softer ground.
- The direct input is also available for connecting the correlator accelerometer used as a hand probe.

Dynamic hearing protection

Dynamic hearing protection monitors the detected noise level. If a very loud noise is detected then the sound to the headphones is muted to protect the user from excessively loud noises.

System components

The *Mikron3* PrimeTouch kit is designed to be used with the *Eureka3* leak noise correlator. It consists of the following components;

- ground microphone sensor
- sensor handle
- battery charger
- carry case



Part Numbers

Mikron3 PrimeTouch Kit

GXG 791



Note: *PrimeTouch* and headphones supplied in *Eureka3* kit.



Primayer Limited

Primayer House, Parklands Business Park
Denmead, Hampshire PO7 6XP, United Kingdom
T +44 (0)2392 252228 F +44 (0)2392 252235
E sales@primayer.com
www.primayer.com



Information in this document is subject to change without notice.