

CORRELUX C-3

sebaKMT

A member of Megger Group

Hybrid correlator for real-time and recorded correlation

- Easy to use with colour touch display
- Real-time and recorded correlation
- Long operating time and inductive sensor charging
- Pinpointing with multi-sensors or ground microphone
- Perfect for plastic pipes and trunk mains
- Multi-correlation without pipe parameter input



Correlux C-3

Identifying leaks with precision

How it works

The Correlux C-3 correlator locates leaks in drinking water pipes. Pressurized water at the leak location creates a noise which travels out in all directions of the pipe.

This noise is recorded, amplified and sent wirelessly to the correlator by two sensors (piezo microphone, hydrophone) which are attached to the pipe (e.g. valve, hydrants).

The Correlux C-3 compares both signals (correlation) and calculates the exact distance to the leakage on the basis of the delay time of the signals, the sensor spacing and the sound velocity in the pipe.

Perfectly designed for customer requirements

Online and offline correlation

The Correlux C-3 is suitable for both immediate measurement (online) as well as night measurement (offline). If the measuring point is easily accessible and is not in a danger area, then online measurement comes into effect. Power transmitters are deployed in this case (transmitter and microphone). These transmit the live signal directly to the correlator and you receive the result immediately.

However, if the measuring point is in an area which is difficult to access or if there is lots of interference, then you have the option to conduct an offline measurement using the power transmitters or up to 8 multi-sensors. The multi-sensors are programmed accordingly with the correlator and then deployed. Following the measurement the power transmitters and multi-sensors are collected and the data can be read and evaluated by the correlator.

Further potential applications

With the aid of the pinpointing function you can now determine the exact position of the leak, either with the multi-sensors or with a PAM W-2 ground microphone. Both options can be carried out using the Correlux C-3, no other devices are needed.

Special features

The correlator housing is light and easy to handle. The colour touch display also makes it easier to use and improves the readability.

The system is charged in the transport case supplied using wireless inductive charging. This means that only one charging cable is needed for the complete charging of all devices.

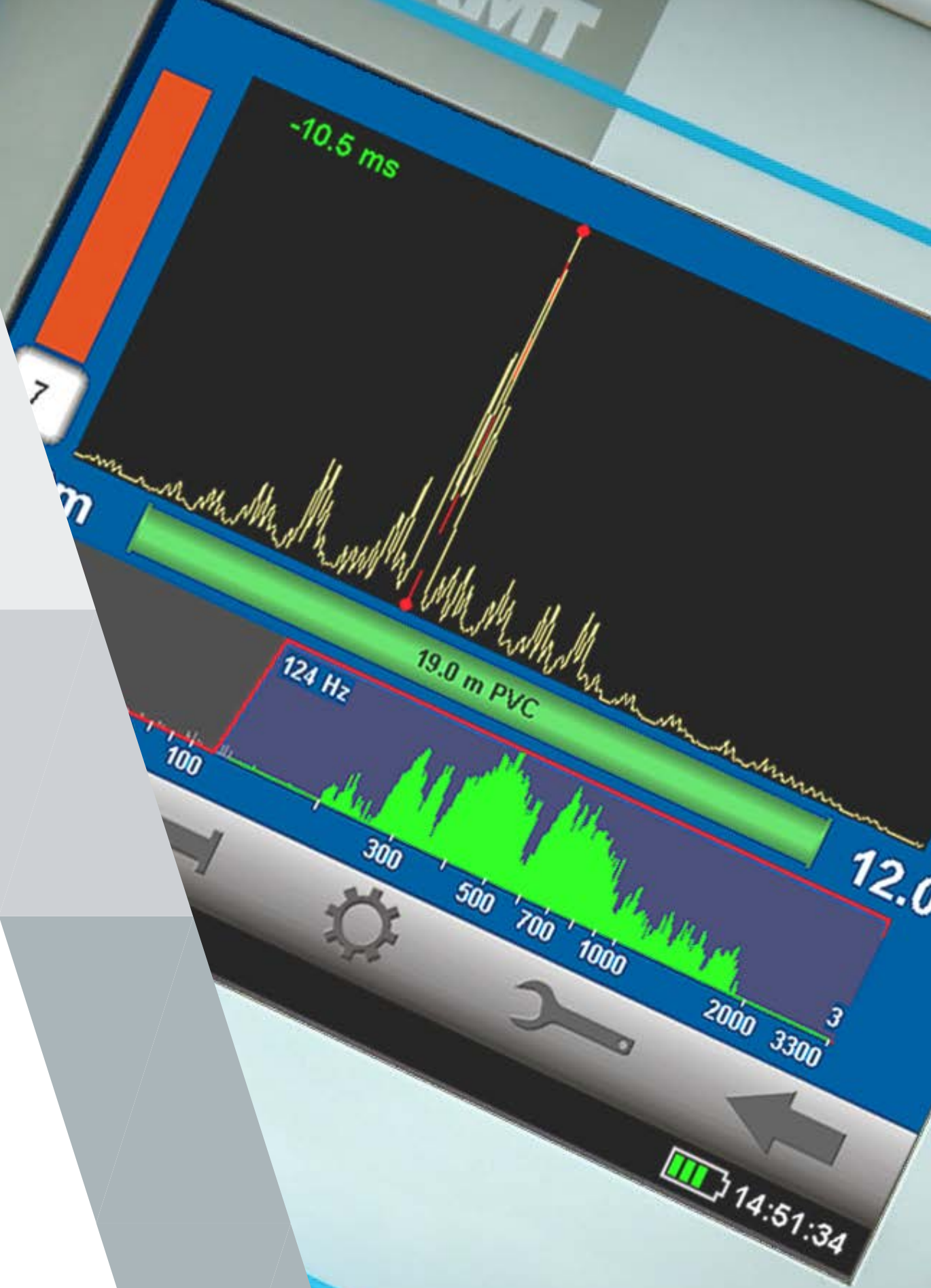
In order to maximise the operating time of the power transmitter, wireless transmission is only activated once the sensor is taken from the power transmitter.



Power transmitters (transmitter and microphone)



Offline measurement with up to 8 multi-sensors



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