CORRELUX SERIES

Hybrid correlator for real-time
and recorded correlation

sebaKMT
by Megger®

- Easy to use with colour touch display
- Online and offline 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

Identifying leaks with precision

C-3 – How does it work?

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.

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.
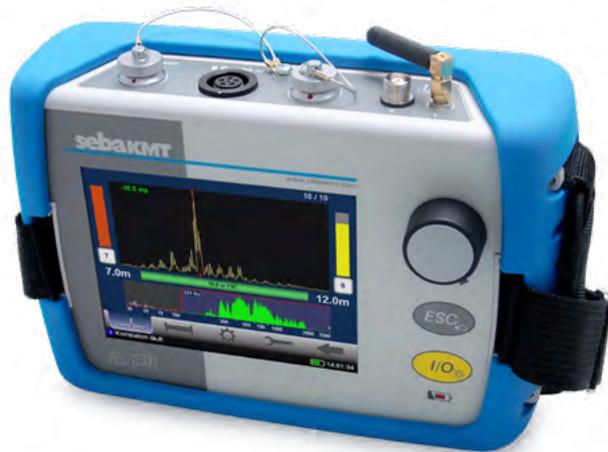
However, if the measuring point is in an area which is difficult to access or if there is lots of interference, then you have the option to conduct an offline measurement using the power transmitters or up to 8 multi-sensors.

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.

Correlux C-300 –
The laptop option

C-300 – How does it work?

The C-300 hybrid laptop[1] correlator is the successor of the previous P-250 model mixed with the benefits of SebaKMT's unique hybrid correlator C-3.

This new C-300 correlator offers the processing speed of a laptop combined with all current C-3 correlator features to perform real-time and recorded correlations.

Recorded measurements (offline-mode) can be analysed easily and help to achieve best end results in a high ambient noise work environment.

All sets can be customized within certain parameters. Starting with a basic set optional multi-sensors can be added later at any time.

Correlux C-3			
Product description	**Standard**	**Pro**	**ProPlus**
C-3 correlator	✓	✓	✓
2 power transmitter (A/B)	✓	✓	✓
Multi-sensors	🚫	3 sensors	8 sensors
Headphones	✓	✓	✓
Case with charger	✓	✓	✓
Motor vehicle charger	✓	✓	✓
PC software	✓	✓	✓

Correlux C-300			
Product description	**Standard**	**Pro**	**ProPlus**
C-300 RI	✓	✓	✓
2 power transmitter (A/B)	✓	✓	✓
Multi-sensors	🚫	3 sensors	8 sensors
Headphones	✓	✓	✓
Case with charger	✓	✓	✓
Motor vehicle charger	✓	✓	✓
PC software	✓	✓	✓

[1] Windows operating system needed

C-30 –
Yours attractive option

SebaKMT now offers the new C-30 offline correlation set to achieve fast, reliable and highly accurate measurement results.

Customers can choose between 3, 5 and 8 sets which come in separate cases with unique inductive rechargeable technology. All you need is a laptop[1] or tablet[1] (windows based) and the well-established LOG RI USB radio interface from SebaKMT. Focused on the necessary, the user is able to program the devices within seconds and retrieve the measurement data quickly afterwards.

The newly developed CorreluxView-3 is a flexible platform for all correlation data including mapping, result display, sound filtering and printing.

The platform allows to add hydrophone multi-sensors COR MS-3-Hydro which are also inductive rechargeable.
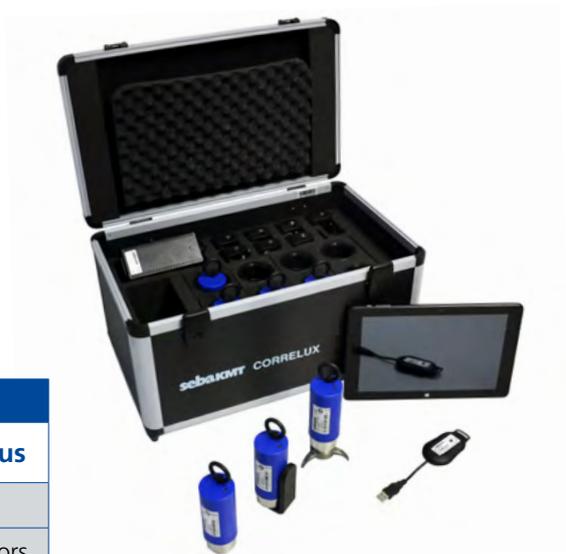
Correlux C-30			
Product description	**Standard**	**Pro**	**ProPlus**
Sebalog RI	✓	✓	✓
Multi-sensors	3 sensors	5 sensors	8 sensors
Case with charger	✓	✓	✓
Motor vehicle charger	✓	✓	✓

[1] Windows operating system needed

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