



The **Hydrolux HL 10** is a small, easy-to-operate hand-held unit for locating leaks in water pipes. Its outstanding acoustic properties enable it to reliably detect even tiny leaks (OKW mobile enclosure series SENSO-CASE).

# „SYSTEMS FOR MONITORING AND DETECTING LEAKS IN WATER SUPPLY NETWORKS

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## CUSTOMER APPLICATION



**SebaKMT is the world market leader in the development, production and marketing of high-quality measuring equipment and systems in leak detection.** In conjunction

with OKW Gehäusesysteme, three devices were developed and produced for this application, the Hydrolux HL10 / HL 50 and the Hydrolux HL 5, which are used for monitoring and detecting leaks in water supply networks.

**Hand-held ground microphone with visual and audible leak display** – the Hydrolux HL 10 is a small, easy-to-operate hand-held unit for locating leaks in water pipes. The enclosure has protection class IP 54, and is characterised by a robust design. Its outstanding acoustic properties enable it to reliably detect even tiny leaks. The three filter settings allow the device to be perfectly adjusted to the individual task, and interfering background noise is suppressed. The visual LED indicator assists the leak location procedure and simple, one-handed operation allows long assignments to be carried out tirelessly. When the

unit is switched to mute, the current measured value is stored within a range of 10 different levels. Thanks to its outstanding acoustic properties, the best settings for the particular leak situation can be selected using the volume and sensitivity control. Night work is facilitated by an integrated LED light.

**Portable leak detection unit with integrated sensor and cordless headsets** – thanks to its special ergonomic shape, the Hydrolux HL 50 can be held in one hand while it is in use. The operation of the HL 50 requires only two functional keys, which can easily be reached with the thumb. In the standard version, the HL 50 offers an integrated sensor as well as a cordless headset. There are no annoying connection cables. The HL 50 thus offers optimum freedom of movement, and is ideal for listening to valves and hydrants, but also to fittings in buildings. The noise level measured is shown on a large LCD display, numerically and as a bar diagram at the same time. The currently set filter range is also displayed. At the end of a measurement,



**HYDROLUX HL 50** – Portable leak detection unit with integrated sensor and cordless headsets.



the noise level last measured is marked on the bar diagram. For extreme flexibility as well as professional applications, three different external microphones are available for the HL 50.

**The OKW SENSO-CASE enclosure range was chosen for the Hydrolux HL 10 and HL 50** – this range of enclosures is made of the material ABS (UL 94 HB) and is optionally available from stock with an integrated make contact function for immediate and/or time-limited operation (stand-by). A recessed



**SENSO-CASE** – particularly user-friendly thanks to its hand grip style, both right and left handed.

operating area offers room for membrane and silicone keyboards as well as pushbutton and display modules. Large interface surfaces for sensors are located on the front side. The enclosure is suitable for right-handed as well as left-handed persons. At the request of SebaKMT, OKW modified the standard enclosure as follows: production in the customer's colour of light blue (RAL 5012) in ABS (UL 94 HB), and mechanical reworking of the top and bottom parts.

**The mini water leak detection unit with visual and audible leak display** – the Hydrolux HL 5 is a professional mini water leak detection unit with visual and audible leak display and wireless transmission of the leak noises. It should be in the jacket pocket of every water specialist and plumber for an immediate leak check on site, and is operated with the help of one single button. The wireless transmission of the leakage noises to the headset offers maximum freedom of movement within a range of up to 20 m. The highly sensitive, piezo-ceramic sensor



**HYDROLUX HL 5** – The mini water leak detection unit with visual and audible leak display (OKW mobile enclosure series SMART-CASE).



with automatic level control allows excellent quality analyses, even with plastic piping. When set to mute, there is no hissing in the headphones. Whether used as a sensor rod or optionally as a ground microphone with a tripod adapter: three filter settings (low, wide-band, high) allow the unit to be ideally configured for every leak situation. The built-in LED light is a practical companion for night work and for checking water meters in basements. In addition, the HL 5 has an LED display with 10 levels.

**The Hydrolux HL 5 was also installed in a mobile enclosure by OKW, the SMART-CASE L.** This ergonomically designed enclosure is made of the material ABS (UL 94 HB) or is optionally also available in infrared-permeable PMMA (Plexiglas®). The sweeping design of the enclosure allows optimum, ergonomic handling. The SMART-CASE can be used as a cabled remote control unit, or alternatively with battery operation. Besides size L, 4 further sizes (XS, S, M, XL) are available from stock. Thanks to the recessed operating area in the enclosure,

a membrane keyboard or a decor foil is optimally protected. Matching accessories like a station, a wall suspension element, a belt/pocket clip or a holding clamp allow the enclosure to be put down safely and used for different purposes. For the HL 5, the enclosure was also produced in ABS (UL 94 HB) in light blue (RAL 5012). Through various cutouts and holes drilled in the top and bottom parts, the SMART-CASE was modified internally by OKW to meet the customer's requirements.

**sebaKMT**  
Ein Mitglied der Megger Gruppe

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