

HDL-10

A mobile data logger
for temporary measurements
or small measurement campaigns



• Description

The HDL-10 is a compact and intuitive mobile data logger designed for spot measurements and short- to mid-term field campaigns. It features a built-in rechargeable battery, a USB-C connection for easy data transfer/charging and a clear display showing live readings and a 10-minute time series graph — everything you need for reliable measurements in the field, right in your hands.



• Measuring Principle

The HDL-10 works with dedicated probes from SOMMER, connected via plug-and-play. Once a probe is attached, the device automatically recognises it and applies the correct measurement settings. Data is recorded continuously at a 1-second interval and stored internally for readout via USB-C to a PC



• Advantages

- Plug-and-play probe connection with automatic device configuration
- Live numerical display plus 10-minute trend graph on screen
- Rechargeable battery with up to 12 hours of operation
- IP65-rated housing for full protection in demanding field conditions (all connectors are connected)
- USB-C for fast, simple data readout and charging — no extra equipment needed

• Versatile Across Industries:

- Hydrology (surface water)
- Ground water
- Waste Water industry
- Harbors
- River authorities
- Hydro Power plants

• Applications & Use Cases

The HDL-10 is the ideal companion for short- to mid-term field campaigns — from a quick 15-minute spot check to multi-hour monitoring sessions of 1 h, 4 h, 8 h or more. It steps in wherever permanent instrumentation is unavailable, giving you reliable, continuous data storage right where you need it.

A perfect example is mobile discharge measurement. When running an ADCP survey, current meter measurement or tracer test, the HDL-10 with a pressure probe records the water level throughout your entire visit on site. This lets you understand exactly at what stage your discharge measurement was taken — turning a good dataset into a great one and supporting more confident decisions.

Probe	Battery Life
Pressure (10m cable, accuracy 0,05%)	~10 h
Conductivity	~10 h
Fluorescein	~6 h
Rhodamine	~6 h
pH	~4 h
Turbidity	~4 h
Velocity	~6 h
Water Temperature	~10 h
Air Temp, Humidity & Pressure	~10 h

