

# Handy instruments

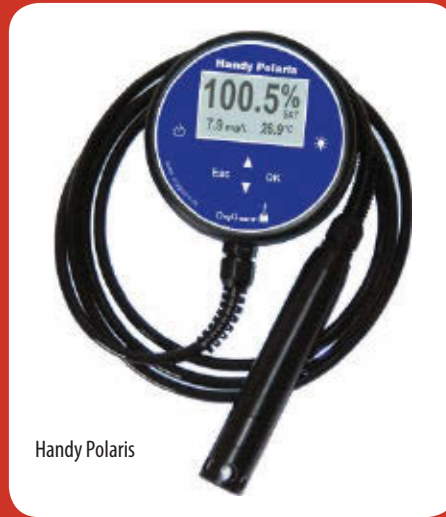
## Handy Polaris

Portable instrument for measuring dissolved oxygen. Works with a probe with membrane and electrolyte (Clark Sensor) and microprocessor controlled electronics.

**Handy Polaris** has a large display, you can choose which parameter should be shown in large figures.

**Handy Polaris** has also automatic calibration, an automatic probe check and a choice of language!

It is the easiest Handy to use, and is supplied with a carrying wallet, maintenance kit and instructions.



Handy Polaris

Handy Polaris 2 is designed as an advanced solution for dissolved oxygen and temperature measurements with data logging. Based on Polaris functionality, Polaris 2 includes a datalogger with up to 99 memory blocks and 3000 memory cells and data can be transferred to a PC using a USB link which is purchased separately.



## Handy HI 9147

The **Handy HI 9147** is made by the Hanna company, and is an inexpensive oxygen meter. The instrument has a waterproof casing and a galvanic oxygen probe (complete with 4 m cable). The oxygen measurements are expressed as percentage saturation or mg/l. This instrument also measures temperature and has automatic temperature compensation. The display can also be illuminated, for use in low light conditions.

The **HI 9147** comes complete with replacement membranes, O-rings, electrolyte and a transport case.



pH checker

## pH checker

This pocket instrument makes measuring pH easy! It is calibrated automatically with standard buffers, and is then ready for use. No calibration fluid is necessary.

The pH-value (0-14) is indicated, and is readable to one decimal place. In addition to the pH-value, temperature is also measured (automatic temperature compensation) and indicated simultaneously on the display.

The device is waterproof and only weighs 85 g. An inexpensive spare electrode can be supplied, and is easy to replace.

This pH checker offers the capability for fish farmers and hobbyists to determine the pH-value of their ponds quickly and reliably.



Handy HI 9147