

INSTRUCTION MANUAL

AquaCER

DESCRIPTION

The AquaCER is equipped for immediate field use in a portable format, with a low temperature sensor. The sensor is used to measure a temperature, which allows a calibration curve to be used to convert the measured resistance to salinity. "Salinity Mode" allows salinity to be calculated based on a conductivity value (20-100).

The sensor is used to convert salinity to the practical salinity scale (PSS-78). Other salinity scales are available as well.

The sensor can be used in fresh water. The accuracy is a function of the instrument's quality and stability.

The sensor for the AquaCER is used with a 4-20 mA signal as an output device.

It is important to be aware of the stability of the fluid being used as an electrolyte in the sensor. The output for the AquaCER is more reliable with non-polluting electrolytes and good quality low conductivity solutions. The AquaCER is not for use in seawater.

CAUTION

When handling the AquaCER module carefully and ensure coverage of the sensor and sensor wiring, and the printed PCB traces, with a clear, non-flammable, conductive dielectric sealant, not conductive.

