

HLC-1 electronic thermometer and water level indicator



Price: **65.00 PLN** gross

65.00 PLN for szt.

Manufacturer: - **Pro Eco Solutions Ltd.**

Referention number: **CONTROLLER HLC-1**

Condition:: **New**

Quantity: 102 pcs.

Information:

Electronic thermometer and water level indicator HLC-1 The set includes:

- Electronic controller powered by batteries (3 x AAA) - **1 pc.**
- Electronic water level and temperature sensor - **1 pc.**



Product features

Power supply: batteries

Full product description

Electronic thermometer and water level indicator HLC-1

Universal thermometer designed to measure water level and temperature in various areas (for use in e.g. a domestic hot water tank). Ideally suited for protecting pumps against dry running and for protecting tanks against excessive emptying or overflowing. Recommended for PROECO non-pressurized solar water heaters.

■ Features:

- Temperature indicator (0-99 degrees Celsius)
- Water level indicator - 5 levels (0-20%, 20-50%, 50-80%, 80-100%, over 100% - overflow) - sound signal when there is no water or when it is overflowing.

■ Technical data:

- Power supply: = 4.5 V (3 x AAA batteries)
- Temperature measurement range: 0 ~ 99 °C

- Temperature measurement accuracy: ± 2 °C
- Water level indicator: 5 levels
- Water level sensor with NTC 10K temperature sensor, temperature measurement: <99 °C, cable withstands temperature <105 °C, cable length: 20 m

■ Sensor description:

The measurement range, accuracy class and dimensions meet the standards used in automation.

The sensor is electronic, DOES NOT WORK LIKE A FLOAT!!!

The sensor has 4 wires. Temperature is measured using a built-in NTC10K resistive sensor (resistance change) and a conductivity sensor (capacitance change). The probe is a suitably insulated electrode connected to a wire. The probe operates by using the liquid to create an electrical signal circuit. A probe hanging freely or mounted above the water surface causes the signal circuit consisting of this electrode, the liquid, the second probe or the metal walls of the tank and the signal system to close when the liquid comes into contact with the tip of the internal electrode.

■ Sensor Technical Data:

- cable length: 20 m.
- temperature measurement: ≤ 99 °C
- cable withstands up to ≤ 105 °C
- insulation resistance in dry state: 20 M Ω
- material in contact with liquid: rubber

■ Resistance values at temperature:

°C	Ω
0	33620
10	20174
20	12535
30	8037
40	5301
50	3588
60	2486
70	1759
80	1270
90	933
100	697
110	529
120	407