

## *pH Strips for Solar Power Systems*

High operating temperatures of solar collectors may cause a degradation of the coolant creating organic compounds that may decrease the pH of the coolant and cause corrosion problems in the circuit.

The recommended pH level for the heat transfer fluid depends on its formulation and must be told by the manufacturer. Normal (preferred) pH should read 7,5 – 9,5. pHs lower than 7,0 are acid and may cause corrosion problems. pHs higher than 9,5 are too basic and may cause compatibility problems with other materials.

### **Test Instructions:**

- Dip one strip in the coolant sample at ambient temperature avoiding touching the measurement zones.
- Shake the strip slowly back and forth for 10 seconds to ensure a correct contact with the coolant. In case the sample is warm, reduce the contact time.
- Remove excess liquid and compare results to the color chart included in the test kit.

### **Delivery Form:**

- Box with 100 strips.
- Plastic strips (no discoloration), scale from 0 to 14.
- Four measurement zones that provide most accurate results.

