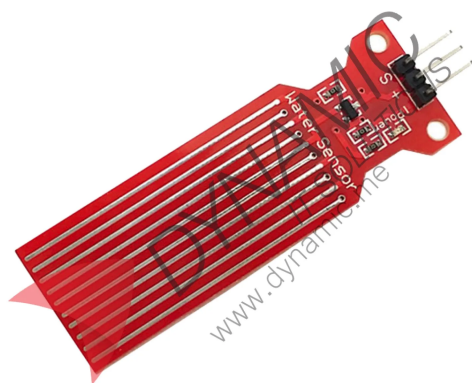


Water Level Sensor



Feature

The water level sensor is a compact analog module that measures liquid levels in containers. It operates by detecting electrical conductivity between interlaced copper traces and converts this into an analog voltage. The design has no moving parts, is water-resistant, offers real-time linear readings, and ensures long-term reliability in moisture-sensitive environments.

Specifications	
Sensor Type	Analog (conductivity-based)
Operating Voltage	3.0 V – 5.0 V DC
Operating Current	<20 mA
Operating Temperature	10 °C to 30 °C
Humidity Range	10% – 90% RH (non-condensing)
Measurement Principle	Conductive bridging between copper traces
Output Signal	Analog voltage proportional to water level
Sensor Dimensions	Typical small form factor (varies by model)
Use Cases	Water level alarms, pump control, stream indicators, environmental monitoring

Pinouts:

Pin Name	Type	Description
VCC	Power Input	Supply voltage input (3.3–5V)
GND	Power Ground	Common ground connection
S	Analog Output	Outputs analog voltage based on water level

