HydroStation

ALL-IN-ONE HYDROLOGICAL MONITORING STATION

Highlights

- Complete integrated solution for hydrology measurements
- Completely self-sustainable with a battery, a solar panel, and a datalogger with an integrated MPPT battery charger
- Easy integration of third-party hydromet sensors
- Robust modular mechanical design with IP68 enclosure
- Preassembled and easy to install



Applications

- Water level monitoring in rivers, channels and lakes
- Early flood warning
- Accurate discharge monitoring in rivers
- Flow tracking in salt and copper mine channels
- Preassembled and easy to install

Product Description

The Geolux HydroStation is an automated hydrological monitoring station that integrates several Geolux products for tracking hydrology parameters. HydroStation contains a solar panel, a battery, a SmartObserver datalogger with an integrated communication module, and Geolux radar instruments for measurement of water level and surface velocity.

Integration of third-party sensors for meteorological measurements, water quantity or air quality and similar instruments is possible and easy to install.

The Geolux HydroView cloud-based software enables continuous real-time monitoring of all measurements and easy remote configuration of all stations and instruments' working parameters.

Detailed Specifications



Power Supply	20 W solar panel
Backup Battery	30 Ah lithium-ion
IP Rating	IP68
Operating Temperature	-20 °C to +70 °C
Installed Instruments	Geolux LX-80 *radar level sensor* Geolux RSS-2-300W *surface velocity radar* Geolux HydroCam *site monitoring camera*
Optional Instruments	Any SDI-12 or Modbus compatible device
Connectivity	GPRS 2G/3G/4G NB-IoT Optional LoRaWAN Optional SWARM satellite

FCC & CE ***APPROVED***

MADE IN ***EU***

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