



Water Level Gauge WLG-30

Functionality

Long-term monitoring of water level, water temperature and air pressure with data transmission through satellite (GSM on demand is available). The gauge is deployed in natural or artificial water basins with depth down to 30 m. To fix the gauge's position the bottom anchor is used.

Sensors

Position data (GPS/Glonass)

GNSS receiver	GlobalTop Titan3
Additionally	Argos doppler effect

Water level

Range	0 to 30 m
Accuracy	+/- 0.2 m
Resolution	0.02 m

Air pressure

Range	850 to 1050 hPa
Accuracy	+/- 2 hPa
Разрешение	0.1 гПа

Water temperature

Range	-5 to +35°C
Accuracy	+/- 0.2°C
Resolution	0.04°C

Hull temperature

Range	-40 to +60°C
Accuracy	+/- 0.5°C
Resolution	0.2°C

Measurement interval

hourly

Sensors activation

at round hours

Communication

Argos satellite system (Iridium, GSM on demand)

Operation

Environment temperature	-30°C to +50°C
Lifetime	24 months at least

Construction

Hull

Diameter	35 cm
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Submersible unit (without anchor)

Diameter	60 mm
Height	400 mm

Strength-power-communications cable line

Length	30 m
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Type of deployed

anchor

Weight (without anchor)

22 kg

Anchor weight

25 kg at least

WLG-30

