

BANV4 - Instrumented Buoys with radio/cellular communication

For lakes, rivers, and seawater

AUTONOMOUS RADIO/3G/4G BUOY FOR PHYSICAL AND CHEMICAL MONITORING OF NATURAL WATERS

- Compact and self-stable buoy
- Retrieving data by radio on-site (up to 100m)
- 2G/4G (LTE-M / NB-IoT) communication card option for data remote monitoring
- Dynamic communication between several buoys
- Available sensors:
 - Conductivity / Salinity / T°C : BAN-CE
 - pH / Redox / Temperature : BAN-PH
 - O₂ / Temperature : BAN-OX
 - Turbidity NTU-MES / Temperature : BAN-TU



Technical specifications			
Datalogger	500.000 measures	Concentrator	yes
Antenne HF	Internal ou External depending on model	Option: cellular Antenna	External antenna
Options : Entrées	Modbus RS485	Operating temperature	-40 ...85°C
Housing	ABS 20%FV	Sealing	IP68 (1 bar / 30 jours)
Energy	Batterie Lithium : 3,6V 34Ah	Autonomy	Environ 5 ans
Certification : CE/FCC/IC	 SE6A001 - IC : 10983A-A001	Option : ATEX 	II 3G Ex ic nA IIB T4 Gc Tamb : -20°C...+60°C
Weight including batteries	1 Kg	Buoyancy volume	2 L
Configuration	AVELOUR software using RFID wireless connection - USB/RS485 Converter module for calibration		

