

TECHNICAP
BUILT BY TECHNICAP

Automatic sampler using passive DGT devices for water analysis : technical features

THOË is a patented automatic and autonomous sampler using DGT® devices for the analysis of dissolved metal species and organic compounds in seawaters and freshwaters. Fully programmable, THOË performs time series measurements for up to several months.

EXAMPLES OF MEASUREABLE ANALYTES

- **LSNM-NP:** 30 metals including Cd, Co, Cu, Fe, Mn, Ni, Pb, Zn;
- **LSNP-NP:** Phosphorus and oxyanions including As, Mo, Sb, Se, U, V, W;
- **LSNX-NP:** Phosphates and more than 40 metals including Al, As, Cd, Co, Cu, Fe, Mn, Ni, Pb, Sb, Se, U, V, W, Zn;
- **LSNB-AP:** Mercury and As (III);
- **LSNE-NP:** Chrome-VI;
- **LSNC-AP:** Polar organic compounds including antibiotics;
- **LSND-AG:** Polar organic compounds including pesticides and certain pharmaceutical products.



DGT® Research

DGT® is a simple commercially available device for measuring pollutants, nutrients and other components in water



SAMPLER FEATURES

- Capable of sampling 12 periods sequentially
- Fully programmable timing periods from hours to weeks
- Integrated temperature sensor and inclinometer for accurate calculation of the concentrations
- Rotating axis to point the DGT towards the current (Titanium)
- Maximum immersion depth of 1000 m
- Structure, plate and seals made of chemically inert components (PEEK, PETP, PTFE and Silicon)
- Battery endurance of more than one year
- Multiple deployment options available

APPLICATIONS

- Environmental baseline studies, impact studies, risk assessment for aquatic media
- Regulatory environmental monitoring, including the marine environment, ports, estuaries, rivers and lakes or reservoirs
- Research, water chemicals transfer studies