

Measurement and control in a single system

BlueBox is a modular measuring and controlling system for several physical, chemical and biological parameters.

One BlueBox can control 100 sensors and actuators. Units from almost any manufacturer can be connected. The BlueBox's plug-and-play capability makes it compatible with all current sensors, for physical, chemical and biological parameters.

Furthermore, the BlueBox can communicate with sensors over a distance of up to 1,000 meters. It is no longer necessary to leave the control room to check results.

A further BlueBox advantage is automatic remote data transfer. This is possible via radio, email, SMS or the internet, and extends your control capability to just about anywhere on earth.

The system also controls active components. This enables complete measurement and control loop systems to be automated.



BlueBox



Areas of Application

- Monitoring ground water and leachate around rubbish tips
- Water course protection
- Process water control
- Food production
- Drinking water monitoring
- Waste water control

Bran+Luebbe On-line Monitoring



Sensors from Bran+Luebbe and other manufacturers can be connected to one BlueBox to create a customized analysis

system with up to 100 parameters which meets your precise requirements - at distances of up to 1000 m.

Conductivity sensor for waste water

Range: 0 - 80 mS/cm
Accuracy: 0.03 mS/cm

Conductivity sensor for ultra-pure water

Range: 0 - 2000 μ S/cm
Accuracy: 0.1 μ S/cm

Turbidity sensor

Range: 2 - 1000 FNU
Accuracy: 1% of range

Temperature sensor

Range: -4 to 30 °C
Accuracy: 0.03 °C

pH sensor

Range: pH 2 - 12
Accuracy: 0.1

Oxygen sensor

Range: 0 - 20 mg/l
Accuracy: \pm 0.5 mg/l

Redox sensor

Range: \pm 2000 mV
Accuracy: \pm 5 mV

Sensors can be adapted to customer's range and accuracy requirements.

UV/Vis spectrometer

ISIS II is suitable for many different measurements in almost all sample types.

Analysis parameters include:

- Nitrate
- Solids
- Organic compounds
- DOC
- COD
- BOD
- Individual substances such as
 - Benzene
 - Xylene
 - Toluene
 - Naphthalene
 - Nitrobenzene
 - Phenol
 - etc.

On-line Monitors

On-line Monitors are ideal for measurement and control in many process, with liquid and gaseous samples.

These microprocessor controlled stand-alone systems are ideal for waste water, drinking water, river and ultra-pure water.

They can be used as part of a complete process control system.

Their advantages are:

- Fully automatic operation
- Self-checking
- Low reagent consumption and operating costs
- Precise measurement
- Long-term stability, with automatic calibration.

DiaMon Resources

The DiaMon monitors analyze several parameters with a single instrument, with fully automatic on-line operation.

Spectroscopic and chemical measurements can be combined in one analyzer.

Your local contact: