



Innovation in Environmental & Process Technology

We **Understand** Water & Waste Water Monitoring



The Gosystemelektronik's **BlueSense** is a low cost 2 or 4 channel monitoring system for aqueous environments. Display and operation are via an easy to use touch screen.

The Blue sense may be used as a stand alone instrument or may be networked into an extensive array of monitoring and control modules via the "Blue Box" interface.

Bluesense



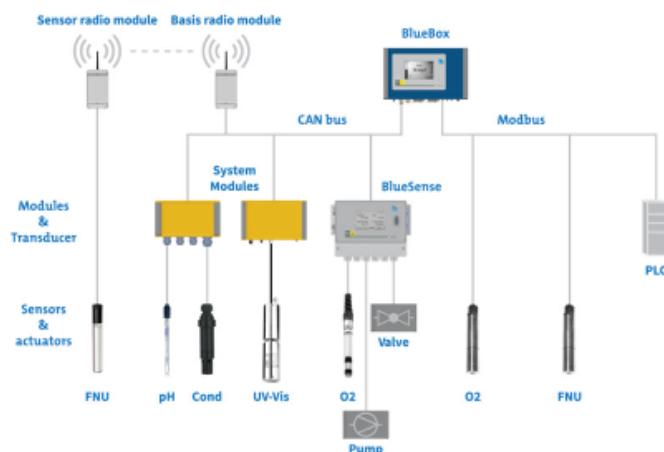
Features:

- Up to 4 sensors into one transmitter
- Available sensors: T, pH, ORP, DO, Conductivity, turbidity and all common ISE's
- Standard SD card for data logging
- Touch Screen operation

Benefits:

- Low cost of ownership
- 2 yr warranty
- Minimal maintenance
- Intuitive software for easy use
- Robust and reliable
- Secure data storage
- Extensive basis configuration

SENSOR & ACTUATOR NETWORK



Applications:

- Effluent discharge monitoring
- Storm water monitoring
- Industrial process water control
- Aquaculture
- Environmental monitoring

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Technical Data			
Method	Parameter:	Ortho- & total phosphate	
	Measurement principle:	Photometric	
	Measurement accuracy:	<5%	
	Measurement resolution:	0.01 mg/l	
	Minimal cycle duration:	15min	
	Calibration:	Auto 2 point calibration	
	Consumables:	2 month at 30 min interval	
	Samples with particle size > 30 microns need filtration		
Measurement ranges	0.0 - 0.5 mg/l	PO43-P	
	0.0 - 2.0 mg/l	PO43-P	
	0.0 - 6.0 mg/l	PO43-P	
Sample lines	2x Sample lines standard		
	up to 6 sample lines optional		
Interfaces	1x Ethernet [Modbus TCP]		
	1x RS232 or RS485 (Modbus)		
	1x CAN-bus (for connecting further modules sensors & actuators)		
	2x Current output 4-20mA		
Actuators	1x Digestor with temperature heating and UV monitoring		
	1x Stirrer control		
	2x Motor control forward/backward and pulse counter		
	5x Motor control - (direction selectable)		
	12x Relays for valves, limit values and control outputs		24 VDC
	Expandable [CAN-bus] [Modbus]		
Technical details	Power supply:	24 VDC (power supply included)	
	Power supply unit:	Input voltage 85 - 264 VAC	
	Power consumption typical:	42 W	
	Protection class:	IP 54 (optional IP 65)	
	Dimensions (WxLxH):	31 x 60 x 70 cm	
	Weight:	approx. 45 kg	
	Colour:	RAL 5010 (blue)	
	Sample pressure:	0 bar (max 0.05 bar overpressure)	
	Sample flow rate:	2 - 10 l/h, no suspended solids	
	Sample temperature:	10 - 40 °C	
	Ambient temperature:	15 - 35 °C	
	Operating system:	embedded Linux™	
	Sensors	1x Photometer [LED adjustable]	
1x Connector for pH glass electrode			
1x Connector for temperature (PT1000) 0 - 80 °C			
1x Connector ORP (Redox) electrode [optional pH]			
1x Current input 4-20mA			
6x Digital In			
1x Connector for leakage sensor			
6x Connector liquid detector for sample reagent			
Expandable [CAN-bus] [Modbus]			

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