Data sheet

>>>>SIGMATAX

Sampling and homogenisation



Automatic sampling and homogenisation

Automatic sampling and homogenisation for supplying the PHOSPHAX *sigma* (total phosphorous) and TOCTAX (total organic carbon) process photometers with samples from waters with a particle size < 0.5 mm (waste water treatment outlet).

Comprising: control unit in plastic housing, microprocessor controller with menu operation and alphanumeric liquid crystal display (LCD), sampling probe made of stainless steel with heated connecting hose in various lengths.

Using the immersed sampling probe the volume of sample necessary for the analysis is provided without coming into contact with pumps. The sample is delivered to a small glass vessel in the control unit and is homogenised using an ultrasonic generator.





Sampling and sample homogenisation

Order numbers

Item no.	Designation	
LXV231	SIGMATAX 2 with 10 m connecting hose	
LXV232	SIGMATAX 2 with 20 m connecting hose	
LXV282	SIGMATAX 2 with 30 m connecting hose	
LXV215	Control unit	

Further accessories

Item no.	Designation	
LZX414.00.00000	Tank edge fastening for the probe	
BDA361	Operating instructions	
LZX456	Second fastening point (in case of vibration)	

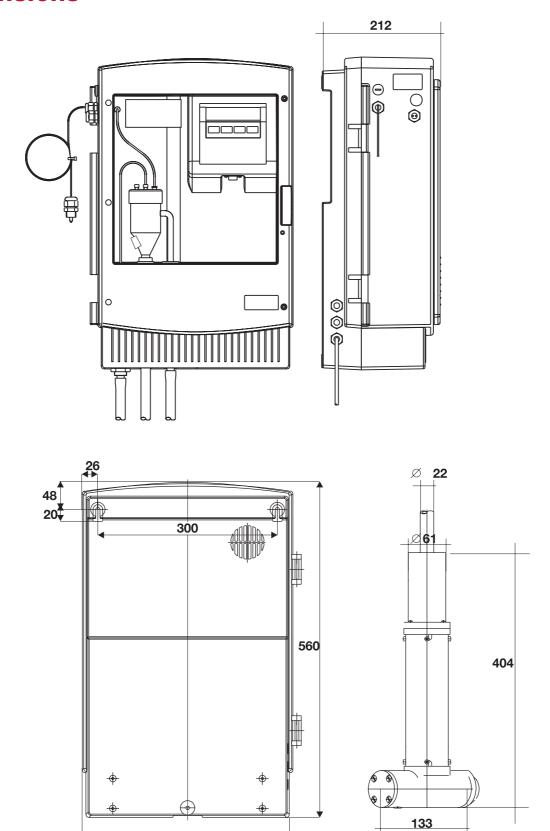
Spare parts and consumables

Item no.	Designation			
LZX376	Membrane compressor 230 V (for approx. 1.5 years)			
LZX394	Sample glass			
LZX267	Valve piston			
LZX306	Set of consumables, probe valve (for approx. 6 months)			
LZX266	Drain valve, complete			
LZX300	Air filter, complete			
LZX299	Air filter without fittings (for approx. 12 months)			
LZX381	Sample glass lid			
LZX385	Set of accessories for sample glass lid			
HDF167	Maintenance schedule			
LZX271	Sampling pipe (inside the probe)			
LZX295	Filter for outlet			
LZX386	Level pipe with O-ring			
LZX269	Probe valve, complete			
LZX305	Small sample pipe, straight			
LZX293	Small sample pipe, angled			
LZX294	Sampling glass (probe body)			
LZX275	Sample hoses 1.5 m and 2.0 m			
LZX397	Cleaning glass			
LZX393/398/411	Probe tube 10 m / 20 m / 30 m			
LZX388	Overflow fitting, bottom			
LZX284	Ultrasonic transducer, complete			

>>>>SIGMATAX

Sampling and sample homogenisation

Dimensions



352

>>>>SIGMATAX

Sampling and sample homogenisation

Technical data

Process principle:	sample pumping controlled by pressure, homogenisation using ultrasound					
Interval:	12-20 min					
Sample volume:	for up to 2 PHOSPHAX sigma or TOCTAX process photometers					
Hose length:	10 m , 20 m, 30 m					
Suction height:	max. 7 m (for hose length 30 m: max. 6 m)					
Ambient temp.:	Control unit: +5 °C to +40 °C Connecting hose: -20 °C to +40 °C (without additional insulation, at lower outdoor temperatures only additional insulation will ensure correct operation. More information available on request.)					
Medium temperature:	+ 5 °C to + 30 °C (probe)					
Enclosure rating:	as per IP 54 (control unit)					
Outputs:	error signalling contact, floating, 24 V, max. 1 A service interface: RS 232					
Mains connection:	230 V AC / 50 Hz					
	Tubo	Heating off	Heating on (-20 °C)			
Power consumption:	Tube		Continuous operation	Switch on surge		
	10 m	150 VA	250 VA	1300 VA		
	20 m	150 VA	350 VA	2300 VA		
	30 m	150 VA	470 VA	3000 VA		
	recommended fuse rating: 10 A slow blow					
Servicing interval:	3 months					
User maintenance:	approx. 0.5 h / week, typically					
Dimensions:	Control unit: W x H x D 366 x 560 x 212 mm Probe: D x L 133 x 404 mm					
Mass (approx.):	Control unit: 12 kg					
	Sampling probe 10 m: 7.5 kg					
	Sampling probe 20 m: 15 kg					
	Sampling probe 30 m: 22 kg					
	Mounting pipes:	10 kg				



DR. BRUNO LANGE GMBH & CO. KG

Willstätterstrasse 11 D-40549 Düsseldorf Tel +49 (0)211-52 88-0 Fax +49 (0)211-52 88-143 kundenservice@drlange.de www.drlange.de

DR. LANGE UK LTD

Lennox Road Basingstoke Hampshire, RG22 4AP Tel. +44 (0)1256 333 403 Fax +44 (0)1256 330 724 info@drlange.co.uk www.drlange.com



P.O. Box 16 (Palokorvenkatu 2) FI-04261 Kerava, Finland Tel. +358 10 417 4500 Fax +358 10 417 4501 hyxo@hyxo.fi • www.hyxo.com