

# LISA

## Low Investment SAC 254 nm

LISA - the new low-cost state-of-the-art SAC 254 nm instrument from TriOS optical sensors. Innovative long lifetime UV-LED technology and a robust design are the key-features of LISA. Like every TriOS sensor, LISA has nanocoated windows to avoid fouling. Combined with airblast cleaning service costs are reduced to a minimum. A well-known 4..20 mA output of calibrated data allows easy 3rd party integration to existing SCADA systems or dataloggers, beside the use within the wide range of TriOS controllers and handheld devices.

LISA is available with optical pathlengths of 1, 2, 5 or 10 mm to cover almost every application. The use of a second wavelength offers automatical internal turbidity correction of the SAC value.

The titanium version of LISA allows the use in very harsh environments (e.g. high chlorine concentrations). Application depending correlations to COD or BOD can be done, offering online measurement of this parameters at a fraction of investment and service costs of other SAC254 probes or classical cabinet analysers.



### *Applications:*

- WWTP
- environmental monitoring
- drinking water monitoring
- control of UV disinfection systems

# LISA

## Info

	<i>LISA - SAC 254nm</i>
wavelength	254nm (turbidity correction at 530nm)
detector type	silicon photodiode
light source	UV-LED
output	4..20mA (calibrated data)
telemetry interface	RS-232
power supply	9 - 28 VDC
housing	stainless steel (1.4571) or titanium
optical pathlengths	1mm, 2mm, 5mm, 10mm
dimensions	d= 48mm, length= 265mm (1mm path) (without connector)
depth range	300m
connector	SubConn micro series 5 pol, male
operation temperature	0 - 40°C
	internal temperature sensor



- low power consumption
- easy to use
- integrated temperature sensor
- nano coated windows
- airblast cleaning
- customizable pathlength

A wide range of accessories is available (flowcells, panels, power supplies, handheld devices...)

## order code

11 8000	LISA-254-1 VA (1mm, stainless steel)	11 8011	LISA-254-2 Ti
11 8001	LISA-254-2 VA (2mm, stainless steel)	11 8012	LISA-254-5 Ti
11 8002	LISA-254-5 VA	11 8013	LISA-254-10-Ti
11 8003	LISA-254-10 VA	41 0000	TriBox2 (controller), 85 - 265 VAC
11 8010	LISA-254-1 Ti (1mm, titanium)	41 0001	TriBox2 (controller), 24 VDC