LISA

Low **I**nvestment **SA**C 254 nm

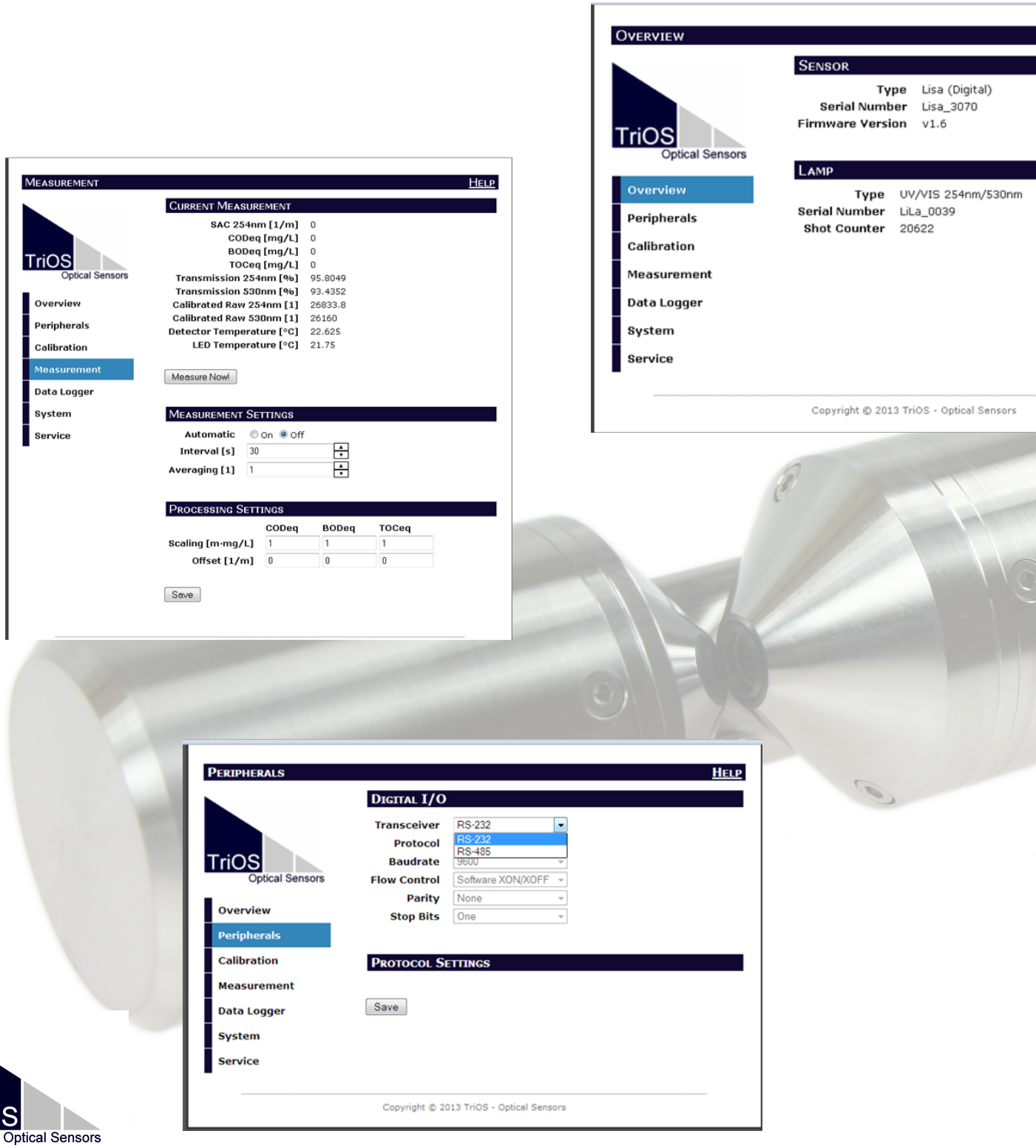
LISA - the new low-cost state-of-the-art SAC 254 nm instrument from TriOS optical sensors. Innovative long lifetime UV-LED technology and a robust design are the key-features of LISA. Like every TriOS sensor, LISA has nano coated windows to avoid fouling. Combined with air-blast cleaning service costs are reduced to a minimum.
The unique TriOS G2 interface allows easy and fast 3rd party integration to existing SCADA systems or dataloggers, beside the use within the wide range of TriOS controllers and hand-held devices. Additional to the digital outputs, LISA is available with direct 4..20mA interface.
LISA can be customized with optical path lengths of 1, 2, 5, 10 or 50 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 harnished environments (e.g. high chlorine concentrations). Application depending correlations to COD, BOD or TOC 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 desinfection systems

TriOS Optical Sensors

TriOS G2-Interface

the easiest and fastest way of sensor integration into any data acquisition or SCADA system.
Use any web browser to configure your LISA within minutes yourself.



ranges:

path length [mm]	range [1/m]	detection limit [1/m]
1	0 - 1500	4
2	0 - 750	2
5	0 - 300	0.8
10	0 - 150	0.4
50	0 - 30	0.1

product varities:

path length	wavelength	material	interface	connector
1 mm*	254	VA stainless steel	A analog 4..20mA 0..5VDC 0..10VDC	C fixed 10m cable with 8pin M12
2 mm*				
5 mm*				
10 mm*				
50 mm				
* user changeable by spareparts		Ti titanium	D digital RS232 RS485	S 8pin SUB-CONN micro

LISA

Info

	LISA - SAC 254nm
wavelength	254nm (turbidity correction at 530nm)
detector type	silicon photodiode
light source	254nm UV-LED and 530nm LED
telemetry interface	network TCP/IP digital: RS232 / RS485, analog: 4..20mA / 0..5VDC / 0..10VDC
power supply	9 - 28 VDC
housing	stainless steel (1.4571) or titanium
optical pathlengths	1mm, 2mm, 5mm, 10mm or 50mm
dimensions	d= 48mm, length= 265mm (without connector)
depth range	300m
connector	SubConn micro series 8 pol, male or fixed cable with M12 connector
operation temperature	0 - 40°C
	internal temperature sensor

- low power consumption
- easy to use
- integrated temperature correction

- nano coated windows
- airblast cleaning
- customizable path length

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