

# INTRODUCING INFINITY 8000 SERIES AND S462 ULT

THE CONTROL AND MEASUREMENT  
INNOVATIONS TO ELEVATE YOUR  
WATER MONITORING PROCESS



# INFINITY 8000 SERIES

## ENDLESS POSSIBILITIES WITH CHEMITEC'S MOST COMPLETE EVER CONTROLLER

Prepare for a new experience in water monitoring as Chemitec proudly presents the 8000 Series, a new cutting-edge controller that achieves an unprecedented standard of customisation, connectivity and flexibility.

Headlining Chemitec's new Infinity product range, the intelligent 8000 Series connects to as many as 12 probes for multiparameter measurement in a vast range of water-treatment processes.

Courtesy of integrated Wi-Fi technology, users can access the 8000 Series' statistics and settings remotely at their convenience for data on demand and reduced service visits as part of an efficient, streamlined operation.

The sophisticated 8000 Series has been designed to measure an extensive array of parameters, including:

- pH/ORP
- Dissolved oxygen
- Conductivity
- Turbidity
- Suspended solids
- Chlorine/Chlorine dioxide/Ozone
- Chlorites/Hydrogen peroxide
- Peracetic acid/Bromine
- Nitrates (UV)
- Ammonia + Nitrate (ISE)
- Organic substances (UV)
- Colour (UV)
- Chlorophyll
- PAH/OIL (UV-Fluorescence)

## TECHNICAL SPECIFICATION

Display	7" TFT LCD touchscreen (16:9), 800x480, 16.2M colours
Data logger	50 MB internal flash
Recording method	Circular (F.I.F.O) or filling
Hardware	System on module
Serial output	Linux
HMI experience	Intuitive on-screen navigation with images and graphic details for simplified use
Connectivity	- 2 USB host - 1 Lan 10/100 Mbit for Ethernet connection - Wi-Fi station or access point - GPRS modem for LTE connection
Probe connection	Up to 12 probes for simplified and intuitive probe recognition
Hardware peripherals	Relay, SSR, analogue input, analogue output, digital input
Scalability	Multiple expansion cards

Project co-financed by the NextGenerationEU in collaboration with MADE Competence Center and Cefriel



Funded by  
the European Union  
NextGenerationEU



Cefriel®  
POLITECNICO DI MILANO



# S462 ULT

## BRINGING DIAMOND PRECISION TO TURBIDITY MEASUREMENT

At Chemitec, we know that ultra-precise measurement is vital in liquid analysis. That's why we use state-of-the-art technology in the design of our application-specific water-monitoring instruments.

S462 ULT is no different, with this high-end purpose-built device capable of measuring to the highest accuracy and repeatability in very low suspended solids concentrations.

## SPECIALLY DESIGNED FOR TURBIDITY MEASUREMENT

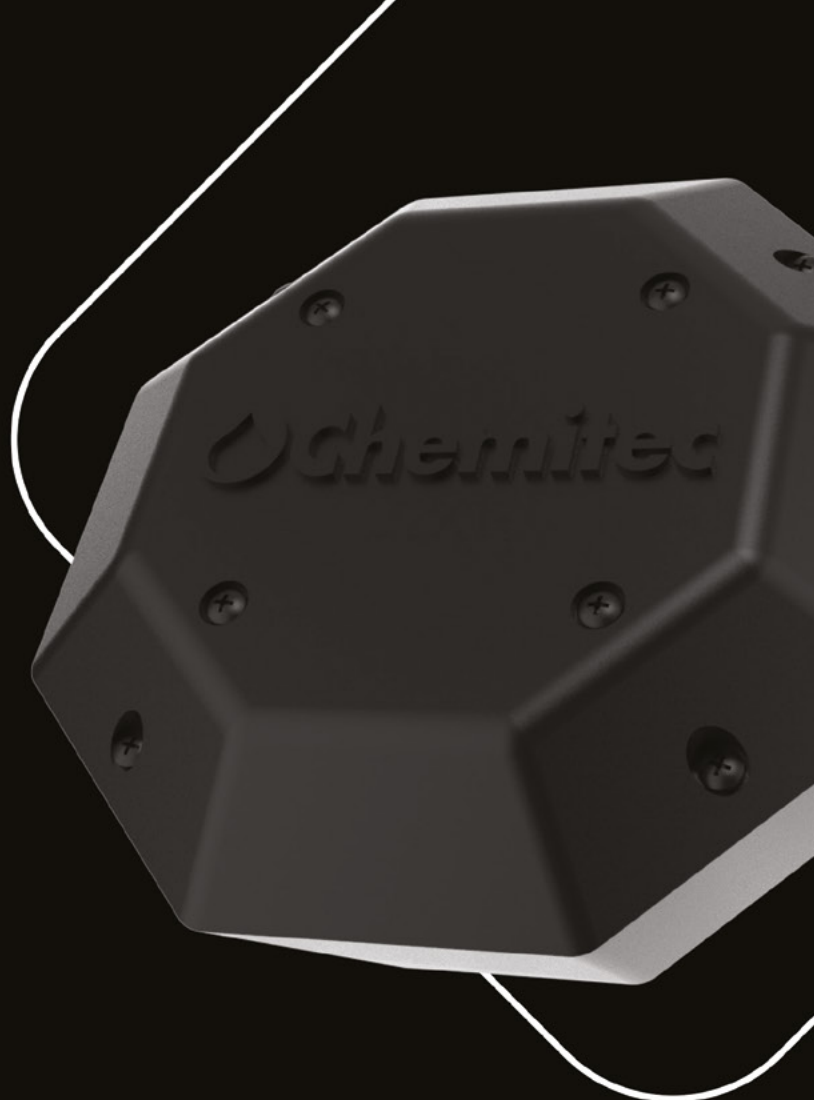
Take your water-monitoring process to a new standard of precision and efficiency with Chemitec's S462 ULT turbidity sensor.

This sophisticated instrument features a distinctive diamond design that offers unique light transmission of suspended particles for perfect measurement.

Featuring sample stability auto detection and capable of operating in temperatures up to 45°C, S462 ULT is compatible with multiple applications including food and beverage production, drinking water and ultrapure water treatment.

S462 ULT's casing is manufactured in black plastic resin and includes patented condensation prevention technology for repeatable results and extensive service life. Plus, along with +/- 2% accuracy on measure point, S462 ULT achieves the highest resolution for ultrapure water detection – the ultimate solution for discerning water-industry professionals.

**Choose S462 ULT from Chemitec for turbidity measurement and achieve exceptional results every time.**



## TECHNICAL SPECIFICATION

Measure range	0.001 – 4 or 40 NTU
Measurement method	Scattering 90° ISO 7027 Scattering 90° EPA 180.1
Resolution	0.001NTU for 4 NTU range 0.01NTU for 40 NTU
Accuracy	± 2% on measure point
Repeatability	± 1% of reading or 0.01 NTU (FNU), whichever is greater
Response time	Programmable 40 – 500 seconds
Operating temperature	0 – <45°C
Maximum pressure	5 bar
Power supply	12 – 30Vdc
Power consumption	Max 3W
Signal interface	Modbus RTU standard protocol RS485
Body material	Black plastic resin

# WORLDWIDE DISTRIBUTOR NETWORK

Thanks to flexible and reliable instruments, user-friendly solutions, outstanding technical skills and continuous improvement, we are selected as an ideal partner and continue to increase our international presence.



## CHEMITEC SRL

Via Isaac Newton, 28  
50018 Scandicci (FI) Italy  
Phone +39 055 7576801  
Fax +39 055 756697  
[sales@chemitec.it](mailto:sales@chemitec.it) • [www.chemitec.it](http://www.chemitec.it)

## CHEMITEC LTD SALES SUBSIDIARY

Room 901, Floor 9  
108, Yuyuan Road  
Shanghai (PRC)  
Phone +86 021 3331 1193  
Fax +86 021 3331 1193-808  
[info@chemitec.asia](mailto:info@chemitec.asia) • [www.chemitec.asia](http://www.chemitec.asia)

Chemitec reserves the right to amend and change specifications without prior notice. All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement. Published data may be subject to change.

© 2025 Chemitec. Layout and origin: Eventus Labs, UK, EN V01