

Company Summary

Contacts

Andy Toy Managing Director
Chris Daw Sales and Marketing Director
Karen Canham Commercial Director

Nature of business

Specialists in design, manufacture and supply of integrated Continuous Emission Monitoring and Process Analyser systems for all types of industrial application. Protea utilises its own unique advanced technologies to meet customer requirements.

Geographical sales area

Worldwide. The Company offers exceptional sales and after sales support to its customers through a highly trained and motivated world-wide distributor network.

Industries served

- * Pharmaceutical
- * Glass
- * Steel
- * Nitric Acid
- * Fertiliser
- * Fire Testing
- * Hydrogen
- * Automotive
- * Carbon Fibre
- * Paint Shops
- * Chemical
- * Power
- * Cement
- * Brick
- * Aluminum
- * Incineration
- * Landfill & Biogas
- * Marine
- * Refineries
- * Pulp & Paper
- * Carbon Black

Company profile

Protea manufacture Extractive and In-situ, Infra-red and Ultra Violet analyser systems for the continuous monitoring and reporting of process and emissions applications.



Product Examples

Full Spectrum Analyser Systems

atmosFIR CEMS	Extractive FTIR
Atmos FIRt	Extractive Transportable FTIR
Protea 5000	In-Situ UV Diode Array
ProMass	Quadrupole Mass Spectrometer

Photometer Analyser Systems

P2000	In-Situ Multi Component Infra-Red
P7000	Infra-Red Photometer
Others	
P9000	Field CEMS Calibrators

Range Examples

Gas		mg/m ³	ppm
Carbon Monoxide	CO	0 – 75	0 – 60
Nitric Oxide	NO	0 – 80	0 – 60
Nitrogen Dioxide	NO ₂	0 – 50	0 – 25
Nitrous Oxide	N ₂ O	0 – 50	0 – 25
Sulphur Dioxide	SO ₂	0 – 75	0 – 26
Ammonia	NH ₃	0 – 10	0 – 20
Hydrogen Chloride	HCl	0 – 15	0 – 9
Hydrogen Fluoride	HF	0 – 15	0 – 17
Water in Gases	H ₂ O(g)	0 – 40%	
Carbon Dioxide	CO ₂	0 – 20%	
Methane	CH ₄	0 – 15	0 – 21
Ethane	C ₂ H ₆	0 – 50	0 – 37
Propane	C ₃ H ₈	0 – 50	0 – 26
Ethene	C ₂ H ₄	0 – 50	0 – 40
Formaldehyde	HCHO	0 – 20	0 – 15
Total Organic Carbon	TOC	0 – 50	
And many more.			

Market leading technology, support and experience

In addition to the family of analysers, the company manufactures a range of accessories providing a capability to measure in more extreme conditions, including those with high or low sample temperatures.

Protea's analysers embody many advanced and proven techniques including an ability to monitor multiply gas species with one instrument. The instruments are able to continuously monitor stack and process gases in demanding applications with a high degree of accuracy and repeatability as required by the environmental agencies and process control engineers. Due to ease of installation and low maintenance requirements the Protea range of analysers are a cost effective solution.

Protea comprises a team of dedicated staff, the majority of whom are engineering, science or marketing professionals who provide service and support to our Customers and Distributor network.

Protea have two manufacturing plants in the UK, the state of the art facilities are located in Middlewich Cheshire and Peterborough. Product calibration utilises the latest MFC technologies with traceable quality control in accordance with our ISO 9000-2015 certification and our MCERTS accreditation. The company runs regular training in product service, applications and FTIR Data Analysis. Both locations are in easy reach from airports and rail services.

Protea are committed to achieving national and international approvals to comply with the requirements of Environment legislation internationally.

Approvals

- * TUV ISO9001:2015 – Quality System
- * ATEX / IEC – Hazardous Area
- * MCERTS Qa11 – Analyser Performance
- * Korean Environment Corporation - Analyser Performance
- * Lloyds Register, RINA – Marine Classification Societies
- * US EPA 40cfr 60 & 70 compliant
- * All products compliant with CE



ISO 9001:2015
Management
System
www.tuv.com
ID 9108637504



Extractive FTIR CEMS

In-Situ CEMS

Control Unit P-PC

Protea Transportable FTIR, TDL and Mass Spectrometer analysers

If you would like to discuss a CEMS or Process application please contact us on 01733 263437 or e-mail sales@protea.ltd.uk

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