



## PRODUCT PORTFOLIO

### Environmental & Industrial Process

**ThermoFisher**  
SCIENTIFIC  
The world leader in serving science

# Thermo Fisher Scientific is your environmental equipment provider

---

Thermo Fisher Scientific is a leading provider of instruments, supplies, and services for the environmental, industrial, municipal water, marine environment and global scientific markets.

We offer the most up-to-date technologies from the world's leading manufacturers and supply an extensive range of testing, measurement, monitoring, control devices and associated consumables to over 350,000 customers in 150 countries world wide. Through our broad product offering, electronic commerce capabilities, integrated global logistics network and manufacturing facilities, our goal is to ensure you are always engaging or utilising the best possible solutions to make the world healthier, cleaner and safer.

Environmental .....	3
Water Quality - Laboratory & Field .....	3-4
Water Quality - Process .....	4-5
Gas Detection & Industrial Hygiene .....	5-6
Data Acquisition & Telemetry .....	6
Industrial Process Equipment .....	6-7
Environmental Simulation .....	7
Material Sciences .....	7
Rental Equipment .....	7

# Driving Innovation & Providing Leading Edge Technologies

Category	Brand	Applications
<b>Environmental</b>		
<b>Bore and Drilling Supplies</b>	EnviroEquip	Groundwater monitoring bore supplies, groundwater sampling consumables, soil sampling consumables, bore castings, bore caps, direct push tooling, Aqua Twin tube for ground water sampling
<b>Chemical Identification</b>	Ahura Scientific Niton	Field deployed, handheld chemical and elemental heavy metals, precious metals and metal alloy analysis in liquids and solids including soils using Raman or X-ray fluorescence technology
<b>Environmental Monitoring Stations</b>	EnviroEquip	Environmental monitoring stations equipped with solar panel and battery power for data loggers and telemetry equipment - especially suitable for desert and marine environments
<b>Gas Monitoring - Landfill &amp; Biogas</b>	Geotechnical Instruments UK	Portable or fixed landfill, biogas and coal seam gas analysers, CH <sub>4</sub> , CO <sub>2</sub> , O <sub>2</sub> , CO & H <sub>2</sub> S
<b>Gas Monitoring - Personal &amp; Fixed</b>	BW by Honeywell Honeywell RAE Systems	Portable and fixed gas detection, environmental, confined space, petrochemical and military
<b>Groundwater Level / Groundwater Monitoring Instruments</b>	Heron Instruments In-Situ Inc Solinst	Groundwater monitoring instrumentation for level, oil-in-water and data logging
<b>Groundwater Pumps</b>	QED Environmental	Air-powered groundwater sampling bladder pumps, groundwater remediation pumps, landfill leachate and methane condensate extraction pneumatic pumps and low profile air-strippers
<b>Hydrography</b>	AANDERAA Sontek	Hydrographic survey, marine and environmental monitoring equipment for remote monitoring in harsh environments such as ports, harbours, marine terminals and offshore platforms including open channel flow measurement, acoustic doppler velocimeters, wave height, near shore current and oil spill tracking
<b>Multi Parameter Water Quality Measurement</b>	Aquaread™ Ltd Eutech Instruments In-Situ Inc TPS	Includes a range of multi parameter probes and options for measuring pH, mV, conductivity, turbidity, TDS, temperature, resistivity, salinity and dissolved oxygen (optional built-in GPS with export to Google Maps)
<b>Soil Sampling</b>	AMS	Soil sampling equipment including soil augers, soil core samplers, soil probes, soil gas sampling, agricultural sampling and portable mechanical augers
<b>Water Quality - Laboratory &amp; Field</b>		
<b>Colorimeters - Multiparameter</b>	Hach Lovibond® Thermo Scientific Orion WTW	Field analysis of drinking water, wastewater and process water, with up to 90 water quality parameter measurements available
<b>Colorimeters - Single Parameter</b>	Eutech Hach Lovibond® Thermo Scientific Orion	Field analysis of drinking water, wastewater and process water, with an extensive range of US-EPA compliant methods
<b>Conductivity</b>	Eutech Hach Lovibond® Thermo Scientific Orion	Field & laboratory measurement and data logging of conductivity
<b>Disinfection Monitoring</b>	Hach Lovibond® Thermo Scientific Orion	Field & laboratory measurement and data logging of disinfection process
<b>Dissolved Oxygen</b>	Aquaread™ Eutech Hach Lovibond® Thermo Scientific Orion	Field & laboratory measurement and data logging of dissolved oxygen
<b>Electrochemistry - Bench top</b>	Eutech Hach Lovibond® Thermo Scientific Orion	Laboratory analysis of drinking water, wastewater and process water includes a range of multi parameter probes for measuring pH, conductivity, TDS, temperature, resistivity & salinity

# Driving Innovation & Providing Leading Edge Technologies

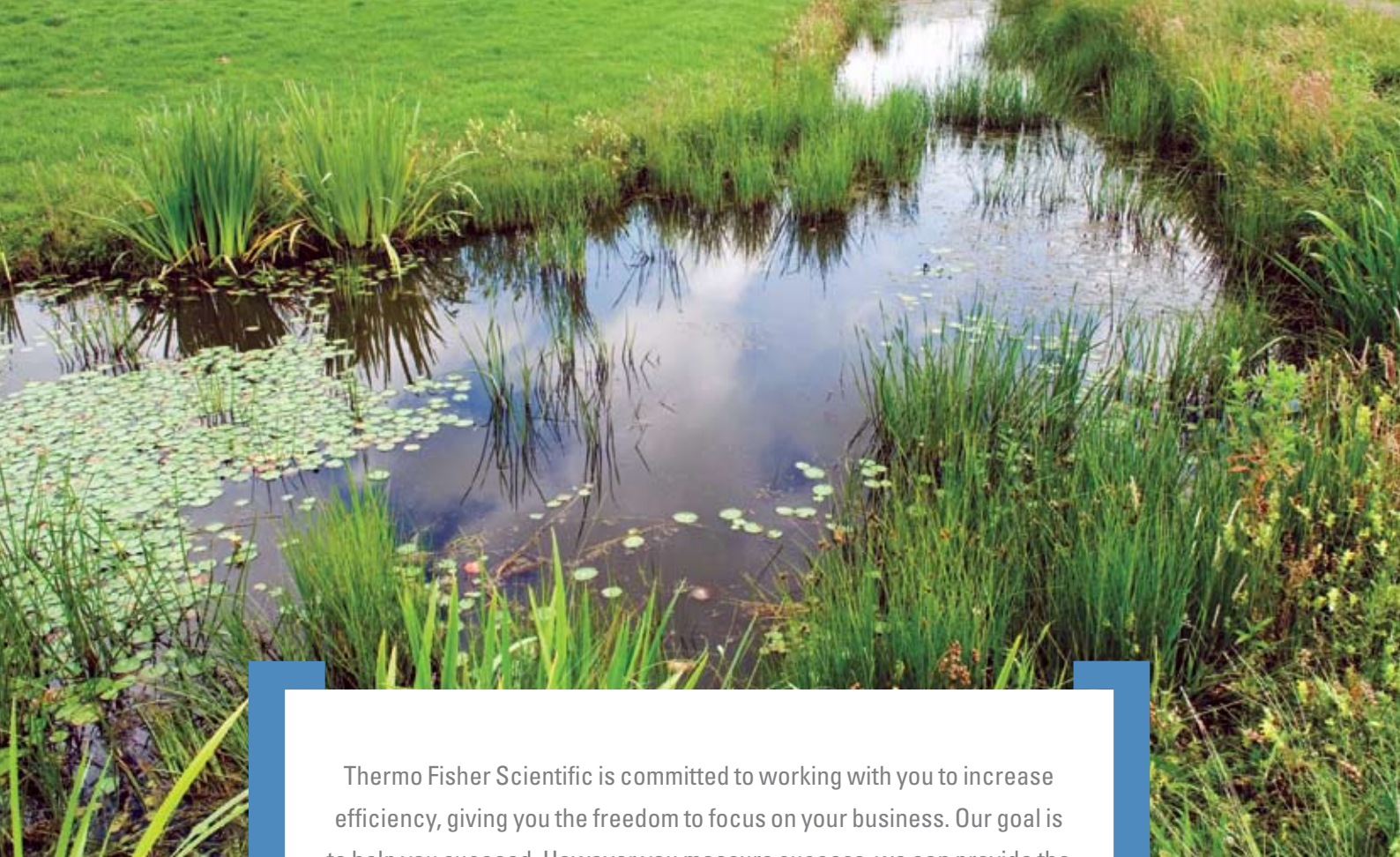
Category	Brand	Applications
<b>Electrochemistry - Portable</b>	Aquaread™ Eutech Hach Lovibond® Thermo Scientific Orion	Field analysis of drinking water, wastewater and process water includes a range of multi parameter probes for measuring pH, conductivity, TDS, temperature, resistivity & salinity
<b>pH</b>	Eutech Hach Lovibond® Thermo Scientific Orion	Measurement and data logging of pH
<b>Reagents</b>	Eutech Hach Lovibond® Thermo Scientific Orion	For use with specific methods that have been developed for each of the brands
<b>Redox</b>	Eutech Thermo Scientific Orion	Portable and on-line measurement of electrical potential of a redox reaction
<b>Spectrophotometers - Bench top</b>	Hach Lovibond® Thermo Scientific Orion WTW	Laboratory analysis of drinking water, wastewater and process water. Over 240 water quality parameters available including COD, ammonia, aluminium, cadmium, chlorine, copper, iron, nickel, nitrate, nitrogen, phosphorus, sulphate, volatile acids.
<b>Spectrophotometers - Portable</b>	Hach	Field analysis of drinking water, wastewater and process water for COD, ammonia, aluminium, cadmium, chlorine, copper, iron, nickel, nitrate, nitrogen, phosphorus, sulphate, volatile acids
<b>Spectrophotometers - UV/Visible</b>	Hach Thermo Scientific Orion WTW	Lab analysis of drinking water, wastewater and process water. Over 100 different water quality parameters are available.
<b>Standards</b>	Hach Lovibond® Thermo Fisher Scientific	For calibration of instrument parameters including chlorine primary standard, formazin for turbidity, nitrate and phosphate standards
<b>TOC</b>	TriOS	Drinking water, wastewater and pharmaceutical/ high purity water
<b>Turbidimeters - IR Bench top</b>	Hach Lovibond® WTW	Turbidity analysis of drinking water, wastewater and process water in the laboratory
<b>Turbidimeters - IR Portable</b>	Eutech Hach Lovibond® Thermo Scientific Orion	Turbidity analysis of drinking water, wastewater and process water in the field
<b>Turbidimeters - White Light Bench top</b>	Hach WTW	Turbidity analysis of drinking water, wastewater and process water
<b>Turbidimeters - White Light Portable</b>	Hach Thermo Scientific Orion	Turbidity analysis of drinking water, wastewater and process water in the field
<b>UV Transmittance (UVT)</b>	RealTech	Portable measurement of UV percentage transmittance for monitoring UV disinfection and filtration processes
<b>Water Quality - Process</b>		
<b>Algae</b>	TriOS	On-line measurement and data logging of algae
<b>Automatic Water Sampler</b>	MAXX	Outdoor and indoor refrigerated water samplers for dirty and clean water applications
<b>Conductivity</b>	Eutech Thermo Scientific AquaSensors WTW	On-line measurement and data logging of conductivity
<b>Controllers</b>	Honeywell	Digital controller for regulating temperature and other process variables in a variety of applications
<b>Dewatering</b>	DEWA	Cavitation treatment to intensify digestion and increase biogas yield Sludge thickening and dewatering

Category	Brand	Applications
<b>Disinfection Monitoring</b>	Blue-I	Amperometric & colorimetric monitoring of chlorine
	Dosatronics	Amperometric monitoring and dosing of chlorine
	WTW	Amperometric & colorimetric monitoring of chlorine
<b>Dissolved Oxygen</b>	Eutech Thermo Scientific AquaSensors WTW	On-line measurement and data logging of dissolved oxygen
<b>Flow Meters - Closed Pipe</b>	Honeywell	Magnetic, ultrasonic, coriolis and vortex flow meters
<b>Fluoride Monitoring</b>	Thermo Scientific Orion	On-line measurement and data logging of fluoride
<b>Hydrocarbons</b>	TriOS	On-line measurement and data logging of process organics
<b>Multiparameter</b>	TriOS	On-line measurement and data logging of COD, TOC, nitrate, nitrites, humic acids, oils and other chemicals
<b>Nutrient (NH<sub>3</sub>, NO<sub>3</sub><sup>-</sup>, PO<sub>4</sub><sup>2-</sup>)</b>	LAR WTW	On-line measurement and data logging of process nutrients including NH <sub>3</sub> , NO <sub>3</sub> <sup>-</sup> & PO <sub>4</sub> <sup>2-</sup>
<b>PAH and Oil-in-Water</b>	Thermo Scientific AquaSensors TriOS	On-line measurement and data logging of PAH & oil-in-water
<b>pH</b>	Eutech Thermo Scientific AquaSensors Thermo Scientific Orion WTW	On-line measurement and data logging of pH
<b>Redox/ORP</b>	Eutech Thermo Scientific Orion	Portable and on-line measurement of electrical potential of a redox reaction
<b>Sludge Blanket</b>	WESS	On-line measurement and data logging of sludge levels
<b>TOC</b>	LAR	Wastewater, drinking water and pharmaceutical/high purity water
	TriOS	Waste treatment plants and municipal water analysis using UV spectroscopy
<b>Transmitters</b>	Honeywell	Smart transmitters in a variety of models for measuring and transmitting process, pressure and temperature in 4-20 mA or digital protocol
<b>Turbidity</b>	Thermo Scientific AquaSensors WTW	On-line measurement and data logging of process turbidity
<b>UV Transmittance (UVT)</b>	RealTech	On-line measurement of UV percentage transmittance for monitoring UV disinfection and filtration processes
<b>Gas Detection &amp; Industrial Hygiene</b>		
<b>Alarm Annunciators</b>	MEDC	Certified push buttons & break glass units Certified beacons, sounders, speakers & status lights
<b>Air Quality Monitors</b>	Thermo Scientific	MIRAN SapphiRe transportable multi-spectrum toxic vapour analyser TVA FID/PID toxic vapour analyser Portable & fixed system real-time particulate monitors
<b>Certified Test Gases</b>	Air Liquide CALGAZ Thermo Fisher Scientific	NATA traceable test gases
<b>Dust Monitors &amp; Sample Pumps</b>	Thermo Scientific	Portable & fixed system real-time particulate monitors
	Casella	Portable dust sample pumps (Australian IS Certified)
	SKC Inc.	Portable dust sample pumps & sampling media
<b>Gas Detection - Fixed</b>	Honeywell Analytics (Sieger)	Infrared point & open path hydrocarbon gas detection Catalytic point combustible gas detection Electrochemical point toxic gas detection PID point VOC gas monitors

# Driving Innovation & Providing Leading Edge Technologies

Category	Brand	Applications
<b>Gas Detection - Portable</b>	BW By Honeywell	Portable confined space compliant & single gas monitors
	Gastec Corporation	Gastec toxic gas detection tubes & pumps
	Honeywell Analytics	High specification portable multi-gas monitors
	JEROME®	Portable mercury analysers
	OdaLog®	Coal mine certified portable multi-gas monitors
	Rae Systems	UltraRae, MiniRae portable PID monitors for VOC's
	Thermo Scientific	Portable FID/PID monitors for remediation
<b>Noise &amp; Heat Stress Monitors</b>	Casella	Portable dosimeters & noise monitors Portable heat stress monitors
<b>Odour Monitoring</b>	OdaLog®	Portable odour monitors & loggers
	Honeywell Analytics (MDA)	Transportable & fixed odour monitors
<b>Data Acquisition &amp; Telemetry</b>		
<b>Data logger</b>	App-Tek™	Universal data logger for small spaces such as bore holes, zigbee wireless, GSM communication via concealed antenna
	dataTaker®	General purpose data acquisition, logging, telemetry and processing
	Memsic	Wireless network systems
<b>Environmental Monitoring Stations</b>	EnviroEquip	Environmental and weather monitoring stations equipped with solar panel and battery power for data loggers and telemetry equipment
<b>Industrial Process Equipment</b>		
<b>Calibration Equipment</b>	GE Druck	Process instrument calibrators for pressure, temperature, pulse, frequency and electrical measure Air data test sets (for calibration of Pitot/static on aircraft)
	The Modal Shop	Vibration, pressure and microphone calibration systems
<b>Environmental</b>	Paroscientific	High accuracy pressure transducers and weather systems
<b>Flow</b>	GE Panametrics	Ultrasonics flow measurement
	GE Rheonik	Coriolis mass flow measurement
<b>Process Sensors</b>	GE Druck	Pressure and level sensors and transmitters
	MTS Sensors	Displacement and level transducers
	GE Panametrics	Multivariable, moisture and oxygen sensors
	GE Rheonik	Moisture
	GE Telaire	CO <sub>2</sub> measurement
	GE General Eastern	Relative Humidity, trace moisture and humidity measurement
	GE Protimeter	Handheld moisture measurement
	GE Novasensor	Pressure MEMS sensors
Thermo Scientific	Flow computers	

Category	Brand	Applications
<b>Sound and Vibration</b>	Crystal Instruments	Sound and vibration acquisition and FFT analysis
	Head Acoustics	Sound and vibration, sound quality and acoustics testing systems
	Head Acoustics	Telecommunications voice quality and acoustics testing systems
	Larson Davis	Sound level meters
	LDS	Vibration tables and controllers
	Memsic	DC accelerometers, FOG 6-Axis inertial measurement units and wireless network systems
	PCB	Accelerometers, force sensors, load cells, microphones, pressure transducers,
	GE Bently Nevada	Vibration sensors, monitoring and analysis systems
<b>Strain and Force</b>	GE Remote Visual Inspection	Borescopes, fiberscopes and video borescopes
	Measurements Group	Strain gauge measurement and analysis
	PCB	Load cells
<b>Environmental Simulation</b>		
<b>Environmental Simulation</b>	ACS (Angelantoni)	Thermostatic and climatic conditioning chambers
	Atlas	Accelerated weathering
	Conviron	Specialised controlled environments for plant growth
	LDS	Vibration tables and controllers
<b>Material Sciences</b>		
<b>Elemental Identification</b>	Niton	Field deployed, handheld heavy metals, precious metals and metal alloy analysis using X-ray fluorescence technology
<b>Material Analysis</b>	Bellingham & Stanley	Refractometers and polarimeters
	Brookfield	Viscosity and rheology measurement
	Buehler	Materialographic equipment, consumables and image analysis products
	GE NDT	Eddy current and ultrasonic inspection tools and portable hardness testers
	Endecotts	Particle size analysis and test sieves
	Konica Minolta	Light, color & display
<b>Rental Equipment</b>		
<b>Air &amp; Dust Monitors</b>		<b>Service Station Field Kits</b>
<b>Data Loggers (battery and solar powered)</b>		<b>Soil Vapour Monitoring</b>
<b>Gas Detectors &amp; Analysers including:</b>		<b>Thermal &amp; Environmental Heat Stress Monitors</b>
- VOC Detectors		<b>Vibration Monitors</b>
- Multigas		<b>Weather Stations (solar powered)</b>
- Specialised Gases		<b>Water Quality Instruments including:</b>
- Landfill Gases		- Colorimeters & Spectrophotometers for multi parameter chemical analysis
- Coal Mine Methane		- pH, Conductivity, EC, ORP, Salinity, Temperature & Turbidity
<b>Gas Monitoring Devices (Personal &amp; Environmental)</b>		- Groundwater Level Monitoring
<b>Soil Sampling Equipment including:</b>		- Groundwater Sampling Systems
- Augers & Core Samplers		- Groundwater Purge Pumps
- Bottom Samplers & Dredges		- Compressors (12 volt and petrol)
		- Water Samplers



Thermo Fisher Scientific is committed to working with you to increase efficiency, giving you the freedom to focus on your business. Our goal is to help you succeed. However you measure success, we can provide the resources to help you achieve it. By choosing Thermo Fisher Scientific, you have selected a partner you can count on.