

ROSEMOUNT
Analytical

News of UK and Ireland analytical products and applications.

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X-STREAM™: The new Gas analyser

Multi-technology, robust product line provides optimal performance in demanding applications

The X-STREAM products are a new generation of process gas analysers from Emerson that promise optimal performance in demanding applications with minimal installation and maintenance costs. X-STREAM analysers offer single and dual channel analysis utilising infra-red, ultraviolet visible (NDIR/UV/VIS) photometry, paramagnetic and electrochemical oxygen and thermal conductivity sensor technologies. X-STREAM analysers provide real-time control to help customers fine-tune their processes for increased productivity and profitability



X-STREAM analysers feature extended ambient temperature ranges for all world areas and an alphanumeric display with multiple language selection. Industries that can benefit from X-STREAM analysers include refining, petrochemical and chemical plants, metallurgical production, hardening and heat treatment, natural gas production and distribution, safety measurement for flammable mixtures, biotechnology, landfill applications, flue gas analysis of boilers, process furnaces and incinerators.

X-STREAM analysers will be available in three configurations; General purpose, rack mountable or table top; Field housing for hazardous areas; and flameproof.



Gas chromatography enhancements

Latest enhancements confirm the Rosemount Analytical Model 700 as a rugged field-mounted process transmitter, capable of turning process analysis into an everyday field measurement

The model 700 Process Gas Chromatograph, with its airless heat sink oven, is designed to be an alternative to traditional devices that must be protected from the weather in temperature controlled shelters. The model 700 is field mountable, near the sample point, minimising cost of ownership expenses such as insulated shelters, air conditioning, heating and long heated sample lines.

Now further expanding the Model 700 application capability are two new detectors – a μ FID Flame Ionisation Detector and a Flame Photometric Detector (FPD), plus a liquid sample injection system.

The μ FID Flame Ionisation Detector is designed to measure trace hydrocarbons in process gases and liquids at ppb (parts per billion) levels, as well as for ambient air monitoring. The Micro-FID also permits measurement of trace carbon monoxide and dioxide in ethylene, propylene and other polymer-grade feedstock.

The new Flame Photometric Detector (FPD) module enables measurement down to trace levels of sulphide compounds - typically lower than 50 ppb.

The heated liquid sample injection valve expands the application capability of the model 700 to measure liquid hydrocarbon samples, especially sample streams prone to polymerisation such as styrene, dicyclopentadiene and 1,3-butadiene.

**Stop
Press!**

Emerson has gained TUEV and MCERTS approvals for their Oxygen Analyser Oxymitter 4000.